



# WORKING WITH THE SYSTEM

... SPACE FOR YOUR SUCCESS ...



# XMtrade®/ISZO

## V2.5.2

User's manual

***sféra***, a.s.

For more information about the company and its products see the page [www.sfera.sk](http://www.sfera.sk)

**XMtrade®/ISZO user's manual V2.5.2**

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# XMtrade/ISZO Portal

## Chapter





# 1 XMtrade/ISZO Portal

The XMtrade®/ISZO deviation billing information system portal provides space for publishing public and private data concerning deviation billing. Public data are available without any limitations. Private data are available only to corresponding market participants, RE suppliers and data providers. The portal is also used as an alternative interface for exchange of energetic data essential for deviation billing processes. For consultation and support of business processes please contact operators: [Contacts](#).

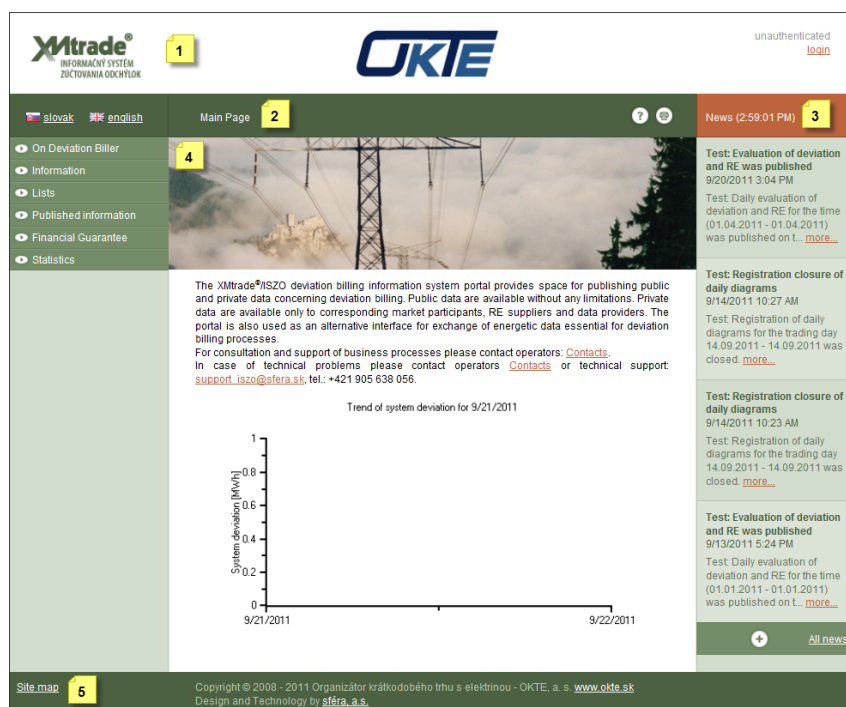
## 1.1 Page segments

This chapter describes following aspects of the XMtrade/ISZO portal:

- [System login](#)
- [Page segments](#)
- [Digital signature](#)
- [Site map](#)
- [Roles of the XMtrade/ISZO portal](#)

### Page segments

This chapter describes page segments of the XMtrade/ISZO portal. All pages are divided into five logical segments as shown on the following picture.



*Pict. Page Segments of the Home Page*

Description of the individual page segments:

### 1. Page Header

- the company logo of OKTE, a.s., linking to the OKTE home page, is located in the

- middle,
- the logo of XMtrade/ISZO linking to the portal home page is located on the left,
- the logon/logoff option is located on the right.

## 2. Portal Menu

- provides basic site navigation,
- consists of links to individual portal sections,
- selecting a section will display a list of pages of the selected section,
- possibility to select the site language version.

## 3. Content

- displays corresponding information, text and data of the selected page,
- Navigation link – shows your position in the site hierarchy in regard to home page,
- Operating button – icon symbolising its function (printer for printing, question mark for help).

## 4. Information section

- displays overview of the recent news,
- link to All News displays news history.

## 5. Page Footer

- information on portal realisation,
- Site Map – hierarchical list of links to individual portal sections and subsections.

## Basic functionality

### Language change

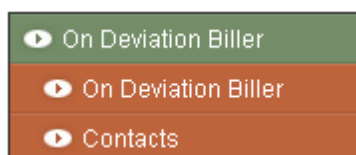
- located above navigation menu in Portal menu section
- clicking on name or icon of the required language will switch the site language



*Pict. Icons and names of the site language version*

### Navigation menu

- clicking on the section name will drop down the menu with links to individual site pages,
- another click will collapse the menu,
- clicking on the page name displays the page in the Content section.



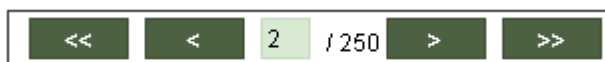
*Pict. Navigation menu showing expanded section On Deviation Biller*

### Navigation link

- located at the top of Content section,
- simplifies the site navigation showing the current location on the portal,



- clicking on Home displays the Home Page of the portal.



*Pict. Navigation link*

## Icons

- located at the top of Content section,
- self-explanatory function.



*Printer*

- displays (and subsequently prints) the data on page



*Question mark*

- displays Help



*Export to MS Excel file*

- exports data from Content section to MS Excel file (\*.xls)



*Export to text file*

- exports data from Content section to text file (\*.txt)

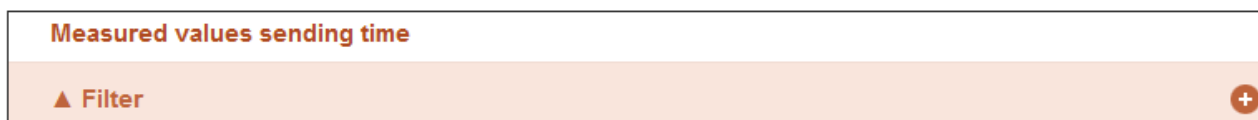


*Export to XML file*

- exports data from Content section to XML file (\*.xml),
- XML file format is used for data exchange and publishing.

## Expand button

- expands certain Content section separated due to specific role,
- expanding a section will automatically collapse previous expanded section,
- click on minus symbol will collapse expanded section.



*Pict.. Collapsed content of the Private News*

*Pict. Expanded content of the Private News*

## Recent News

- content of the News section including recently added news,
- click on the underlined text more displays the complete text of the news,
- click on the underlined text All News displays the News page.



*Pict. News section including link to display the complete text*



*Pict. Link to All News*

## Navigation buttons

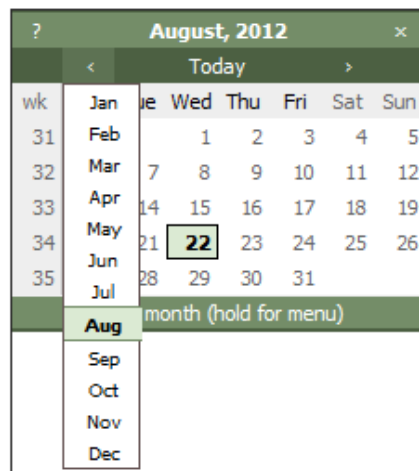
- navigate between pages,
- double arrow navigates to first/last page,
- to open certain page enter its number into displayed field and press Enter.



*Pict. Navigation buttons*

## Date and calendar

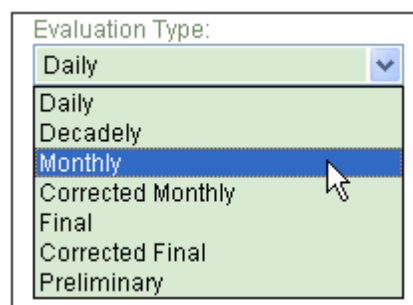
- is used to enter date as an operator for data selection,
- simplifies the date selection,
- use arrows to change the month,
- date can also be entered manually.



*Pict. Calendar including expanded month selection*

### Dropdown menu

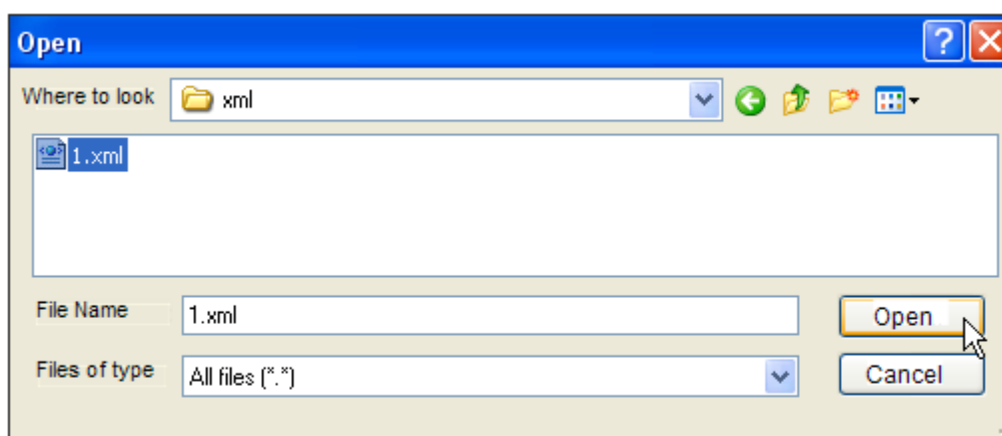
- is used to select an operator for data selection



*Pict. Dropdown menu – Evaluation Type*

### File upload

- used to upload data by selecting the corresponding file. File path can be entered manually or selected using the Browse button



*Pict. Entering the file path using the Browse button*

### Formating number in tables

- billing formating of numbers in the tables,

- unified for the entire portal,
- for SK 1 000,000,
- for EN 1 ,000.000.



*Pict. Billing formatting – slovak version*



*Pict. Billing formatting – english version*

### 1.1.1 System Login

System login provides access to private section of the XMtrade/ISZO portal. Page content and usability depends on status (logged in/logged off). Login page will log you in, using user ID, password and certificate. This page requires installed Java in your web browser. You can download it here: <http://www.java.com/en/download/index.jsp>.

- provides access to private section of the XMtrade/ISZO portal,
- page content and usability depends on status (logged not logged in),
- Login page will log you in, using user ID, password and certificate,
- link to Login page is located on the right in the Header section.



*Pict. Underlined text Login linking to the Login page*

*Pict. Login page*

**Note:** Metacharacter (\*) – means mandatory field. The entry in the field is validated against entry rule specified in the system.

### 1.1.2 Digital signature

The page *Digital signature* identifies the user using the electronic signature. The following picture shows the Electronic Signature page, which ensures correct identification of the user - in this case for Submit Daily Diagrams (after uploading and submitting the data using either XML file or filling and submitting the web form).

It is necessary to install Java for your web browser. You can download it from this page: <http://www.java.com/en/download/index.jsp>.

Digital signature

Sign

Export

Back

Certificate:

Sfera TEST User (5ab23c..)

Content of the XML document for electronic signature:

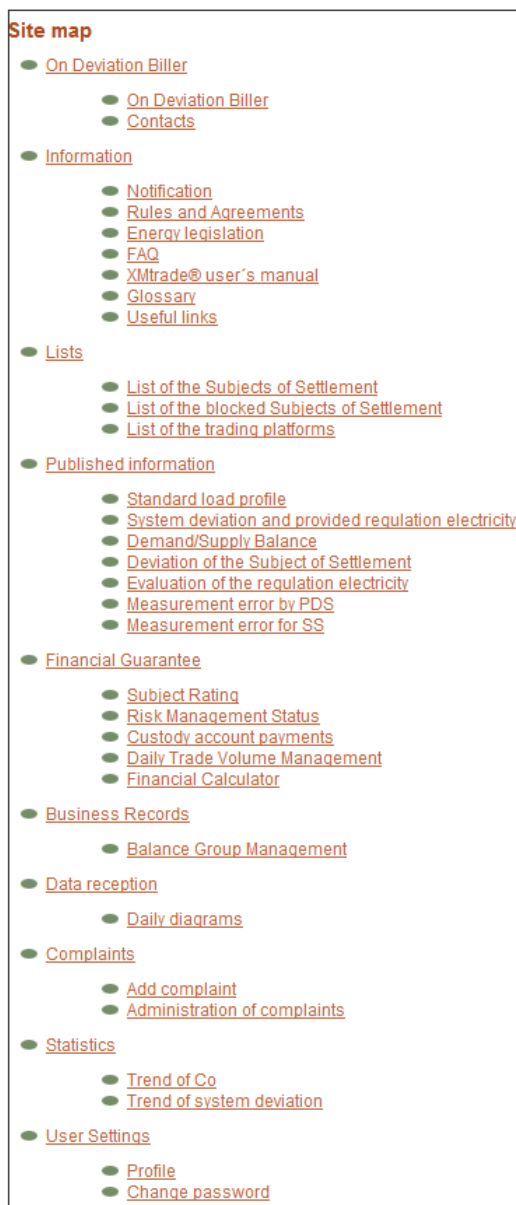
<?xml version="1.0" encoding="utf-8"?><ScheduleMessage xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" DtdVersion="3" DtdRelease="1"><MessageIdentification v="111126\_11XSEBRATISLAVA4" /><MessageVersion v="4" /><MessageType v="A01" /><ProcessType v="A01" /><ScheduleClassificationType v="A01" /><SenderIdentification v="11XSEBRATISLAVA4" codingScheme="A01" /><SenderRole v="A01" /><ReceiverIdentification v="24X-OT-SK-----V" codingScheme="A01" /><ReceiverRole v="A04" /><MessageDateTime v="2011-11-25T16:46:34.684625+01:00" /><ScheduleTimeInterval v="2011-11-25T23:00Z/2011-11-26T23:00Z" /><Domain v="10YSK-SEPS-----K" codingScheme="A01" /><SubjectParty v="11XSEBRATISLAVA4" codingScheme="A01" /><SubjectRole v="A08" /><MatchingPeriod v="2011-11-25T23:00Z/2011-11-26T23:00Z" /><ScheduleTimeSeries><SendersTimeSeriesIdentification v="1" /><SendersTimeSeriesVersion v="4" /><BusinessType v="A02" /><Product v="8716867000016" /><ObjectAggregation v="A03" /><InArea v="10YSK-SEPS-----K" codingScheme="A01" /><OutArea v="10YSK-SEPS-----K" codingScheme="A01" /><InParty v="11XAEN-----9" codingScheme="A01" /><OutParty v="11XSEBRATISLAVA4" codingScheme="A01" /><MeasurementUnit v="MAW" /><Period><TimeInterval v="2011-11-25T23:00Z/2011-11-26T23:00Z" /><Resolution v="PT15M" /><Interval><Pos v="1" /><Qty v="40" /><Interval><Interval><Pos v="2" /><Qty v="0" /><Interval><Interval><Pos v="3" /><Qty v="0" /><Interval><Interval><Pos v="4" /><Qty v="0" /><Interval><Interval><Pos v="5" /><Qty v="0" /><Interval><Interval><Pos v="6" /><Qty v="0" /><Interval><Interval><Pos v="7" /><Qty v="0" /><Interval><Interval><Pos v="8" /><Qty v="0" /><Interval><Interval><Pos v="9" /><Qty v="0" /><Interval><Interval><Pos v="10" /><Qty v="0" /><Interval><Interval><Pos v="11" /><Qty v="0" /><Interval><Interval><Pos v="12" /><Qty v="0" /><Interval><Interval><Pos v="13" /><Qty v="0" /><Interval><Interval><Pos v="14" /><Qty v="0" /><Interval><Interval><Pos v="15" /><Qty v="0" /></Interval></Period></ScheduleTimeSeries></ScheduleMessage>

*Pict. Page Digital signature*

### 1.1.3 Site Map

Site map contains hierarchy of all pages. It is similar to fully expanded Navigation menu. Name of each site is also linking to the page.

- click on link in Footer section to access the *Site Map*,
- full list of individual sections including pages linking to the individual pages,
- similar to fully expanded Navigation menu.



*Pict. Site Map displayed in the Content section*

## 1.2 Roles of the XMtrade/ISZO portal

The XMtrade/ISZO portal includes various roles used to enter private sections of the portal. The following table displays list of individual roles and corresponding private sections/pages.

<b>Subjects of Settlement - Financial Guarantee</b>	On Deviation Biller	On Deviation Biller	<b>Subjects of Settlement - Complaints</b>	On Deviation Biller	On Deviation Biller
		Contacts			Contacts
	Information	Notification		Information	Notification
		Rules and Agreements			Rules and Agreements
		Energy legislation			Energy legislation
		FAQ			FAQ
		XMtrade® user's manual			XMtrade® user's manual
		Glossary			Glossary
		Useful links			Useful links
	Lists	List of the Subjects of Settlement		Lists	List of the Subjects of Settlement
		List of the blocked Subjects of Settlement			List of the blocked Subjects of Settlement
		List of the trading platforms			List of the trading platforms
	Published information	Standard load profile		Published information	Standard load profile
		System deviation			System deviation
		Provided regulation electricity			Provided regulation electricity
		Demand/Supply Balance			Demand/Supply Balance
		Measurement error by PDS			Measurement error by PDS
		Negative payments coefficient			Measured values sending time
	Financial Guarantee	Measured values sending time		Financial Guarantee	Subject Rating
		Subject Rating			Risk Management Status
		Risk Management Status			Custody account payments
		Custody account payments			Daily Trade Volume Management
<b>Subjects of Settlement - Scheduling</b>	Business Records	Daily Trade Volume Management	<b>Subjects of Settlement - Evaluation</b>	Business Records	Financial Calculator
		Financial Calculator			Balance Group Management
		Balance Group Management			Daily diagrams
		Data reception			Add complaint
		Daily diagrams			Administration of complaints
		Trend of Co			Trend of Co
	Statistics	Trend of system deviation		Complaints	Trend of Co
		Profile			Trend of system deviation
	User settings	Change password		Statistics	Profile
					Trend of system deviation
				User settings	Profile
					Change password

*Pict. Roles (SS) of the XMtrade/ISZO portal*





# Site Map and Description of the Portal

## Chapter





## 2 Site Map and Description of the Portal

Following chapter describes the portal pages. The content may vary depending on you login status.

- [\*On Deviation Biller\*](#)
- [\*Informations\*](#)
- [\*Lists\*](#)
- [\*Published information\*](#)
- [\*Financial Guarantee\*](#)
- [\*Business Records\*](#)
- [\*Data reception\*](#)
- [\*Complaints\*](#)
- [\*Statistics\*](#)
- [\*User Settings\*](#)

The content of each site may vary depending on what role the user is logged into the system.

### 2.1 On Deviation Biller

- [\*On Deviation Biller\*](#)
- [\*Contacts\*](#)

#### 2.1.1 On Deviation Biller

Contains basic information on Deviation Biller, its function and tasks. This portal page is public page.

OKTE, a.s., is the Deviaton Biller pursuant to §30a section 4) letter b) of the Act on Energy. OKTE, a.s., was registered as an independent legal entity on 11. August 2010. The main business of the company is regulated and selected types of services provided are subject to price regulation by the Office for Regulation of Network Industries. Deviation Billing operates according to the Rules for Electricity Market Operation and the Operating Instructions of OKTE, a.s.

The Deviation Biller operates according to valid Agreement on Settlement of Deviation with the Subjects of Settlement. Deviation Billing is based on data provided by electricity market participants responsible for deviation in order to bill and settle deviation payments. The Deviation Biller evaluates the deviation for Subjects of Settlement in quarter hourly separation supporting seven days registration of daily diagrams, as required by Directive 317/2007.

The Deviation Biller is responsible for:

- Registration of Subjects of Settlement,
- Registration of daily diagrams,
- Evaluation, billing and settlement of deviation,
- Billing and settlement of regulation electricity,
- Data publishing.

The Deviation Biller publishes following information after deviation evaluation:

- Deviation volume of ES SR for each trading hour in MWh,

- Clearing price for each billing period in valid currency,
- Total of vitreous deviation in MWh,
- Total of resinous deviation in MWh,
- Total volume of provided vitreous and resinous regulation electricity for each billing period in MWh,
- Costs for providing regulation electricity in valid currency,
- Overcosts for providing regulation electricity in valid currency.

### 2.1.2 Contacts

Contains images of bank account (the account of financial security, account for settlement of transactions and current account), contact the managers and operators. E-mail addresses are hyperlinks, clicking on them will automatically open the possibility of writing messages at a preset e-mail program. The portal is publicly accessible.

## 2.2 Information

- [Notification](#)
- [Rules and Agreements](#)
- [Energy Legislation](#)
- [FAQ](#)
- [XMtrade® User's Manual](#)
- [Glossary](#)
- [Useful Links](#)

### 2.2.1 Notification

The *Notification* page contains a list of all messages published by system operator and/or generated by the system automatically. This page is partially public – displays only public messages. After login the page displays also private messages for corresponding Subject of Settlement. This page allows message filtering according to publish date and category.

#### *Procedure*

The user clicks on the *Notifications* link in the *Notifications* section under main menu *Information*. The system displays the Notification form.

**Notification**

Private message Public message

Unread: 2007

▼ Filter

Date from: 12/12/2010 Date to: 1/11/2011

Title:

Category: < all > Type: < all >

Priority: < all > Attachment: < all >

Is read: < all >

View

Number of lines: 10

Select all Deselect all -- Change flag --

	T	P	A	▼ Date	Title	Category	Operations
<input type="checkbox"/>				1/3/2011 3:58 PM	Test: Import of table of exchange...	Others	
<input type="checkbox"/>				12/30/2010 6:52 PM	Test: Import of table of exchange...	Others	

Pict. Notification

**Notification**

Private message Public message

▼ Filter

Date from: 2/14/2009 Date to: 3/14/2009

Title:

Category: < all > Type: < all >

Priority: < all > Attachment: < all >

View

Number of lines: 10

	T	P	A	▼ Date	Title	Category	Operations
				3/14/2009 2:14 PM	Off-take and supply balance was publis...	Others	
				3/14/2009 2:12 PM	Registration closure of daily diagrams	Daily diagram rece...	

Pict. Public message

The *Filter* section contains the following search criteria:








- *Date from* – start date of the message.
- *Date to* – end date of the message.
- *Title* – message subject.
- *Category* - (Others, Financial guarantee, Cross-border profile reception, Daily diagrams reception, Off-take and supply balance,...).
- *Type* - (Information, Warning, Error message).
- *Priority* - (Low, Normal, High).
- *Attachment* - (Yes, No).
- *Is read* - (Yes - read notification, No - unread notification displayed Bold),

User enters search terms to display a notification and confirm their click View, respectively.

display notifications can be confirmed Enter. The system displays a list of those notifications that meet the conditions in the various fields filled filter. If no record is found fulfilling the conditions for filtering, the system displays the information: *"Warning - No data found"*. If a complete example. field (*Date from*) in the wrong format, the system notifies the user message: *"Incorrect field"*.

The item *Number of lines* to choose the number of entries displayed per page, ie choose one of offered options that determine how many rows to be displayed on one page form.

In the resulting list of messages, there are fields:

- *T* – Message type:
  -  - Warning icon.
  -  - Error message icon.
  -  - Information icon.
- *P* – Existing notification file:
  -  - Attachment – the clip icon indicates an attachment.
- *D* – Message importancy (Low, Normal, High).
  -  - low importance message.
  -  - normal importance message.
  -  - high importance message.
- *Date* – message date.
- *Title* – message subject.
- *Category* - (Others, Financial guarantee, Cross-border profile reception, Daily diagrams reception, Off-take and supply balance,...).

Press the View icon in the column operations system displays the form View notification ...

**View notification**

List

Date:

Friday, April 09, 2010 11:31 AM

Type:

Information

Category:

Daily diagram reception

Priority:

Low


Title:

Confirmation message

Content:

Confirmation for (09.04.2010) to message (DAMAS\_vnutenyZD) in version (1) was sent.

Attachment files:

File name	Size (kB)	Operations
20100409_11XSEBRATISLAVA4_DAMAS_vnutenyZD_1_iCR2_4.xml	39.36	


Pict. View notification

... where are these items:

- *Date* – message date.
- *Type* - (Information, Warning, Error message).
- *Category* - (Others, Financial guarantee, Cross-border profile reception, Daily diagrams reception, Off-take and supply balance,...).
- *Priority* - (Low, Normal, High).
- *Title* – message subject.
- *Content* - displayed message.

*Attachment files* section shows the fields that the user will be available only in case if the report is attached in Annex:

- *File name* – name of the attached file in XML format.
- *Size (kB)*- file size.
- *Operations* – using the View icon opens the standard File upload dialog box.

The column *Operations* using View  the icons will display a standard File Download dialog in the XML file. Activation key List, the system returns the user back to the main form Notification - Public message.

## 2.2.2 Rules and Agreements

Contains Deviation Billing Rules, templates of corresponding agreements, requests etc. Documents are in pdf format (Adobe Acrobat Reader is needed) and doc format (MS Word). If the doclink is defined, the user can either open the linked document or save it to the disk. This portal page is public page.

## 2.2.3 Energy legislation

Provides links to relevant slovak and european energetic legislation (Laws, Acts, Regulatory Office for Network Industries documents, Operation Order of OKTE, a.s.). Documents are in pdf format (Adobe Acrobat Reader is needed) and doc format (MS Word). If the doclink is defined, the user can either open the linked document or save it to the disk. This portal page is public page. Some of the documents are related to slovak legislation (they are tagged Slovak version).

**Energy legislation**

---

**Slovak legislation**

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**Legislation of the energy sector:**



[The Act on Energy sector](#) (Slovak version)  
492 kB, April 20, 2010  
Act no. 656/2004 Coll. on Energy and amending other acts.

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[The Act on Regulation](#) (Slovak version)  
171 kB, April 20, 2010  
Act no. 276/2001 Coll. on Regulation of Network Industries.

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[Act on the Promotion of Renewable Energy Sources](#) (Slovak version)  
131 kB, April 20, 2010  
Act no. 309/2009 Coll. on the Promotion of Renewable Energy Sources and Highly Effective Combined Production and amending other acts.

---



[Market rules](#) (Slovak version)  
150 kB, April 20, 2010  
Regulation of the Government of the Slovak Republic No. 317/2007 Coll. determining the Energy Market rules.

---

**Documents of Regulatory office for network industries (URSO):**



[URSO Decree no. 0011/2010/E](#) (Slovak version)  
1.10 MB, February 25, 2010  
Decree concerning the fee for accessing the transmission system and energy transmission for regulated subject Slovenská elektrizačná prenosová sústava, a.s..

---



[URSO Decree no. 0013/2010/E](#) (Slovak version)  
1.64 MB, February 25, 2010  
Decree concerning the cost for providing supporting services in energy sector and the price of regulation energy for regulated subject Slovenská elektrizačná prenosová sústava, a.s..

---



[URSO Order no. 2/2009](#) (Slovak version)  
279 kB, February 25, 2010  
URSO order determining the price regulation in energy sector.

---

**Operating instructions:**



[OKTE, a.s. Operation Order](#) (Slovak version)  
2 MB, December 31, 2010

*Pict. Energy Legislation*



## 2.2.4 FAQ

Contains FAQ and corresponding answers concerning Deviation Billing. This portal page is public page.

FAQ

Deviation

Difference between the agreed quantity of electricity of Subject's balancing group and actual quantity of electricity of Subject's balancing group in MWh rounded to 3 decimal places considering the quantity of provided regulation electricity. Deviation of a Subject of Settlement without an off-take point is the difference between contractual electricity consumption and contractual supply according to registered daily diagram by Deviation Biller.

Deviation Billing

Deviation Biller's activity aimed to evaluate the deviation and consecutive settlement of individual market participants, which have signed the Agreement on Settlement of Deviation with the Deviation Biller (so called Subjects of Settlement).

Deviation Biller

OKTE Plc. is the Deviation Biller pursuant to the Act of Energy. The Deviation Billing process is described within Chapter 2 of the OKTE Plc. Operation Order.

The need for a valid Agreement on Settlement of Deviation

Every electricity market participant needs a valid Agreement on Settlement of Deviation, unless another electricity market participant has contractually agreed to accept the responsibility for deviation for such participant. Electricity market participant becomes Subject of Settlement by signing the Agreement on Settlement of Deviation.

Consequences if a subject has neither signed the Agreement on Settlement of Deviation nor any other electricity market participant has accepted responsibility for its deviation

Based on the Act of Energy such situation is classified as unauthorized consumption bearing legal consequences.

Procedure in case of incorrect Deviation Billing result


There is an option to ask for reevaluation of the deviation billing. This process is described within Chapter 2 of the OKTE Plc. Operation Order.

*Pict. FAQ*


## 2.2.5 XMtrade user's manual

Provides Deviation Billing system manuals for users as well as technical description of interfaces for automatic data transmission. Page contains links to up-to-date versions of Portal User's Manual and Technical Specifications of External Interfaces of the IS. The user clicks on the link of the document, which functions through a standard browser display or saved to your local directory. This portal page is public page.


**XMtrade® user's manual**




[XMtrade®/ISZO Portal Documentation](#)  
2.03 MB, June 14, 2010  
The Deviation Billing IS XMtrade®/ISZO portal provides a place to publish public and private data concerning deviation billing and settlement.



[Technical specification of external interfaces of the system \(Slovak version\)](#)  
1.19 MB, December 28, 2010  
The purpose of this document is to provide all needed technical information for realisation of automatic data exchange between external systém and Deviation Billing IS XMtrade®/ISZO. The document contains specifications of communication and data structure used for data exchange.



[Accepted Certification Authorities](#)  
19 kB, January 12, 2010  
This document contains an up-to-date list of certification authorities, which qualified certificates are accepted by the Deviation Biller for authentication and authorisation of users and electronic signature of data.



[Sample schedule message XML file](#)  
1.33 kB, December 28, 2010  
Sample schedule message XML file

*Pict. XMtrade user's manual*

## 2.2.6 Glossary

Contains glossary of selected categorized energetic terms. This portal page is public page.

Glossary	
General electroenergetic terms	
<b>Daily diagram</b>	The sequence of values of the agreed quantity of electricity consumption or electricity supply in MW for each trading hour of a trading day.
<b>Electricity distribution</b>	The transport of electricity on the distribution system in part of the defined territory.
<b>Distribution system</b>	The system of interconnected electricity lines and electricity facilities necessary for the distribution of electricity in part of the defined territory; the distribution system also includes the metering, protection, control, security, information and telecommunication equipment necessary for the operation of the distribution system; the distribution system does not include the electricity line or electricity facility used for the transmission of electricity from the territory of a Member State of the European Union to the defined territory or part of the defined territory, or from the territory of third states to the defined territory or part of the defined territory.
<b>Import of electricity</b>	The flow of a contractually agreed quantity of electricity from a European Union Member State or a third state to the defined territory.
<b>Energetic's week</b>	Seven following trading days start on Saturday at 00:00:00 hour, and finish on Friday at 24:00 hour.
<b>Trading day</b>	24 trading hours except for the transition of the trading day from the Central European Time to the Daylight Saving Time and back; it starts with the first trading hour at 00:00:00 and finishes at 24:00:00. By transition to the Daylight Saving Time is Trading day 23 trading hours and by transition to the Central European Time is Trading day 25 trading hours.
<b>Electricity transmission</b>	The transport of electricity on the transmission system

*Pict. Glossary*

## 2.2.7 Useful links

Provides links to relevant web pages. This portal page is public page.



Pict. Useful links

## 2.3 Lists

- [List of the Subjects of Settlement](#)
- [List of the blocked Subjects of Settlement](#)
- [List of the trading platforms](#)


### 2.3.1 List of the Subjects of Settlement

The page provides an up-to-date list of Subjects of Settlement including information on validity of the Agreement on Settlement of Deviation. This portal page is public page. The user can export the list into a XLS, TXT or XML file.

#### Procedure



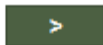
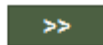
Public user clicks on the link *List of the Subjects of Settlement* under Lists section in the main menu to access the list. The *List of the Subjects of Settlement* form will be displayed.

**List of the Subjects of Settlement**

Number of lines:  

Export: [TXT](#) [XLS](#) [XML](#)

#	▲ Name	EIC	Contract validity
1	A.En.Slovensko, s.r.o.	11XAENSK-----B	Unlimited
2	Atel	12XATEL-HANDEL-K	Unlimited
3	Bukocel, a.s.	24X-BUKOCEL-SK-K	Unlimited
4	CARBOUNION SLOVAKIA, spol. s r.o.	24X-CARBOUNION-4	Unlimited
5	Central Clearing Counterparty, a.s.	24X-PXE-CCC-OZ-W	Unlimited
6	ČEZ Slovensko, s.r.o.	24X-CEZ-SLOV---9	Unlimited
7	Czech Coal SK, s.r.o.	24X-CZCO-SK---2	Unlimited
8	Danske commodities a.s.	11XDANSKECOM---P	Unlimited
9	Duslo	24XDSO-----Q	Unlimited
10	e&t Energie G. m.b.H.-organizačná zložka	28X-ET-ENERGIE-A	Unlimited



1 / 8



*Pict. List of the Subjects of Settlement*

The item *Number of lines* to choose the number of entries displayed per page, ie choose one of offered options that determine how many rows to be displayed on one page form. Click the links Export TXT, XLS and Export XML Export to export the list to TXT, XLS and XML document.

In the list that appears, clearing entities, there are fields:

- *Nr.* – number of the Subject of Settlement.
- *Name* - name of the Subject of Settlement.
- *EIC* - EIC identifies the Subject of Settlement.
- *Contract validity* - validity of the Agreement on Settlement of Deviation.


### 2.3.2 List of the blocked Subjects of Settlement

Provides an up-to-date list of Subjects of Settlement whose registration is suspended due to failure to settle its financial duties with Deviation Biller. This portal page is public page. The user can export the list into a XLS, TXT or XML file.

#### *Procedure*

Public user clicks on the link *List of the Blocked Subjects of Settlement* under *Lists section* in the main menu to access the list. The List of the Subjects of Settlement form will be displayed.

**List of the blocked Subjects of Settlement**

Number of lines:  

Export: [TXT](#) [XLS](#) [XML](#)

#	▲ Name	EIC	Blocked since
1	e&t Energie Handelsgesellschaft m.b.H.- organizačná zložka	28X-ET-ENERGIE-A	3/19/2010

*Pict. List of the blocked Subjects of Settlement*

The item *Number of lines* to choose the number of entries displayed per page, ie choose one of offered options that determine how many rows to be displayed on one page form. Click the links Export TXT, XLS and Export XML Export to export the list to TXT, XLS and XML document.

In the list that appears, clearing entities, there are fields:

- *Nr.* – number of the Subject of Settlement.
- *Name* - name of the Subject of Settlement.
- *EIC* - EIC identifies the Subject of Settlement.
- *Blocked since* - date, since when is the Subject of Settlement suspended.

### 2.3.3 List of the trading platforms

Provides an up-to-date List of the trading platforms eligible to represent Subjects of Settlement for intraday registration of daily diagrams. This page also contains list of the Subjects of Settlement which are represented by the Business Platform. The list of the Subjects of Settlement represented by Business Platform is filtered according to valid registration excluding blocked Subjects of Settlement. This portal page is public page. The user can export the list into a XLS, TXT or XML file.

#### *Procedure*

Public user clicks on the link *List of the trading platforms* under *Lists section* in the main menu to access the list. The List of the trading platforms form will be displayed.

**List of the trading platforms**

Export: [TXT](#) [XLS](#) [XML](#)

Trading platform name	Trading platform EIC	Subject of settlement name	Subject of settlement EIC
SPX	24X-SPX-SRO----J	A.En.Slovensko, s.r.o.	11XAENSK-----B
		EGL AG	12XEGL-H-----0

*Pict. List of the trading platforms*

Click the links Export TXT, XLS and XML to export the list to TXT, XLS and XML document.

In the list that appears, clearing entities, there are fields:

- *Trading platform name* - name of the business platform.

- *Trading platform EIC* - EIC identifies the business platform.
- *Subject of settlement name* - name of the Subject of Settlement.
- *Subject of settlement name EIC* - EIC identifies the Subject of settlement.

## 2.4 Published information

- [\*Standard load profile\*](#)
- [\*System deviation\*](#)
- [\*Provided regulation electricity\*](#)
- [\*Demand Supply Balance\*](#)
- [\*Deviation of the Subject of Settlement\*](#)
- [\*Measurement error by PDS\*](#)
- [\*Measurement error for SS\*](#)
- [\*Negative payments coefficient\*](#)
- [\*Measured values sending time\*](#)

### 2.4.1 Standard load profile

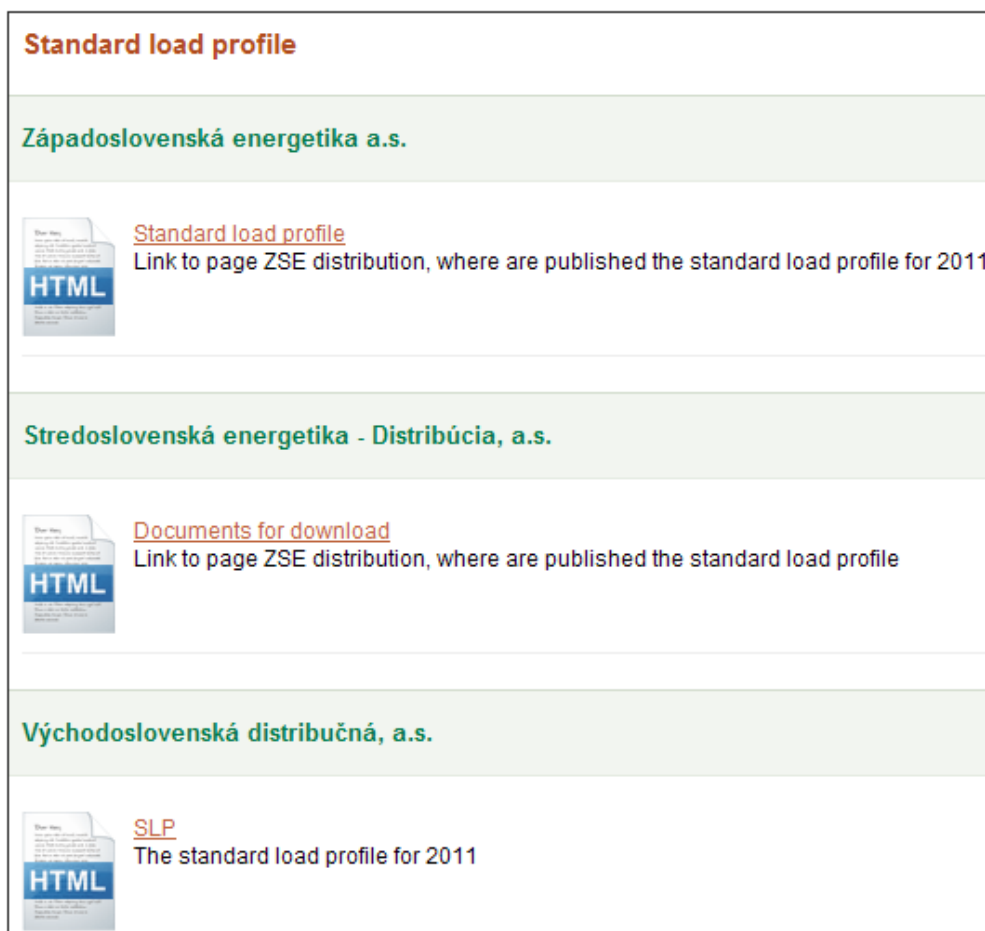
The Standard load profile are published each type diagrams collection system operators, which are broken down by categories TDO. Traces of TDO are publicly available, ie for users of the portal without logging.

Metóda type diagrams collection serves as a substitute method for determining the daily chart abstraction, which is necessary for settlement of deviations. This method is used to take points without continuous measurement. Types of standardized chart abstraction is 8760 relative values of average hourly sampling in the year divided by the value of annual maximum hourly average for donations from the measured samples. Calculated diagram type of sampling is standardized rating chart calculated on climatic conditions. Values calculated TDO can be downloaded in text format.

**Note:** An "X" at the end of the line means that the communications interface with the supplier of the failure temperature and the conversion of standard type diagrams sampling was used in normal temperature.

#### *Procedure*

User clicks on the link *Standard load profile* under *Published information* section in the main menu. The system displays the Standard load profile form.



*Pict. Standard load profile*

Hyperlink *Standard load profile* (Západoslovenská energetika, a.s.):  
[http://www.zse.sk/index.php?www=sp\\_detail&id=1086&id\\_left\\_navigation=1288](http://www.zse.sk/index.php?www=sp_detail&id=1086&id_left_navigation=1288).

Hyperlink *Documents for download* (Stredoslovenská energetika - Distribúcia, a.s.):  
[http://www.sse-d.sk/portal/page/portal/SSE\\_Distribucia/Zakladne\\_informacie/sluzby\\_zakaznikom/Dodavatel\\_obchodnik/Dokumenty\\_na\\_stiahnutie](http://www.sse-d.sk/portal/page/portal/SSE_Distribucia/Zakladne_informacie/sluzby_zakaznikom/Dodavatel_obchodnik/Dokumenty_na_stiahnutie)

Hyperlink SLP (Východoslovenská distribučná, a.s.):  
[http://www.vsds.sk/wps/portal/b2c-vsds!/ut/p/c0/04\\_SB8K8xLLM9MSSzPy8xBz9CP0os3hXXx9vRydDRwN\\_M0cTA89gR-dQE-cgQwMnQ\\_2CbEdFALhprN4!/.](http://www.vsds.sk/wps/portal/b2c-vsds!/ut/p/c0/04_SB8K8xLLM9MSSzPy8xBz9CP0os3hXXx9vRydDRwN_M0cTA89gR-dQE-cgQwMnQ_2CbEdFALhprN4!/)

## 2.4.2 System deviation

Displays preliminary daily evaluation of system deviation and provided regulation electricity for every billing period of the corresponding trading day. This data is published before 10:00 a.m., after the preliminary evaluation is done, for the previous trading day. Those data are updated when decade, monthly, adjusted monthly, final and adjusted final deviation evaluation are available.

The page allows the user to select the date and type of evaluation (daily, decade, monthly, adjusted monthly, final, adjusted final). The evaluation type can be selected using list of types, which are available for the selected trading day. Changing the date the page will automatically select the last evaluation available for the date. The preselected date represents the trading



day of the last published daily deviation evaluation and the evaluation type is set to Daily.

The data is displayed in quarterhourly resolution excluding the data belonging to the previous trading day. During the change to middleeuropean summer time the data is displayed in 92 or 23 billing periods, respectively. During the change to middleeuropean time the data is displayed in 100 or 25 billing periods, respectively. This portal page is public page.

The user can export the evaluation into a XLS, TXT or XML file.


### Procedure

User clicks on the link *System deviation* under *Published information* section in the main menu. The system displays the System deviation form.

**System deviation**

**List**   **Advanced export**

▼ **Filter**

Date: \*   Evaluation Type: \*  ▼

**View**

Date: 6/22/2012  
 Evaluation Type: Daily Settlement  
 Evaluation Date: 6/23/2012  
 Last Evaluation Type: Monthly Settlement  
 Settlement term: 15 min.  
 Coefficient for Negative Payments: 0.700

Export: [TXT](#) [XLS](#) [XML](#)

ST	TCC (MWh)	TCS (MWh)	SI (MWh)	PI (MWh)	NI (MWh)	ISP (EUR/MWh)	PIP (EUR)	NIP (EUR)	PSI (EUR)
1	1,999.282	1,890.782	17.832	21.249	-13.464	149.0000	3,166.1010	-1,404.2952	1,761.8058
2	1,999.331	1,890.831	18.554	22.885	-7.279	149.0000	3,409.8650	-759.1997	2,650.6653
3	1,999.305	1,890.805	-1.547	12.072	-10.312	-80.0000	824.9600	-676.0320	148.9280
4	1,999.330	1,890.830	1.681	17.050	-6.980	149.0000	2,540.4500	-728.0140	1,812.4360

Pict. System deviation - List

The List tab displays following fields:

- *Date* \* - the date of the displayed trading day.
- *Evaluation type* \* – type of the displayed evaluation (Daily, Decadely, Monthly, Final).

**Note:** Metacharacter (\*) – means mandatory field. The entry in the field is validated against entry rule specified in the system.

A click on the View button starts the search according to selected criteria. The Display tab according to the selected criteria contains following fields:

- *Date* - the date of the displayed trading day.
- *Evaluation Type* – type of the displayed evaluation.
- *Evaluation Date* – the date when the displayed evaluation was done.
- *Last Evaluation Type* – type of the last evaluation.
- *Settlement term* – the sequence number of the billing period of the corresponding trading day. It represents the value 1-24 for hourly resolution (value 1-23 or 1-25 for transition days). It represents the value 1-96 for quarterhourly resolution (value 1-92 or

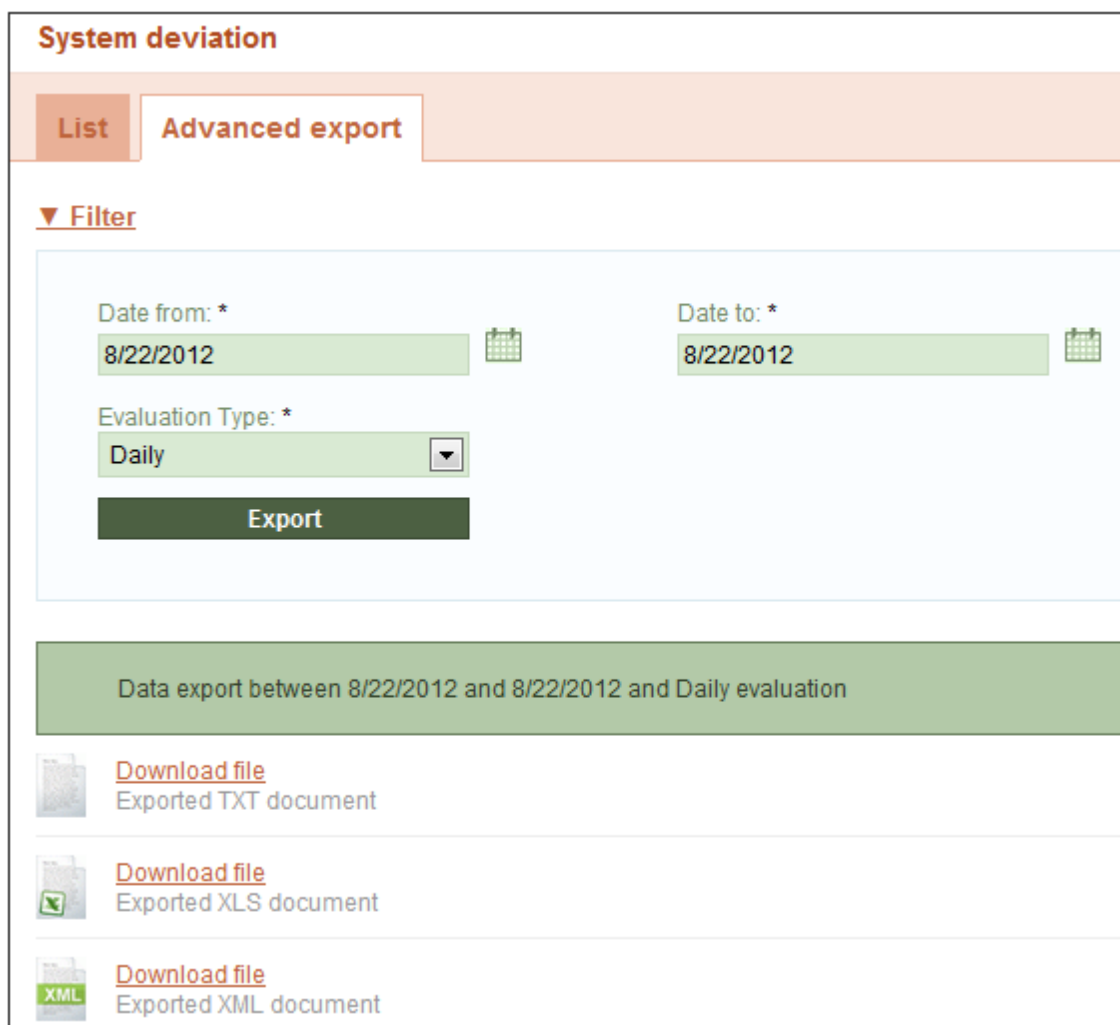
- 1-100 for transition days).
- *Coefficient for Negative Payments* - for example. (0.700), the coefficient for negative payments, which are selected based on the type of settlement of deviation and the end of the date displayed in reports.

The displayed list contains the following fields:

- *ST* - sequence of the billing period within corresponding trading day. Using hourly resolution it represents value 1-24 (1-23 or 1-25, respectively). Using quarterhourly resolution it represents value 1-96 (1-92 or 1-100, respectively).
- *TCC (MWh)* - total contract subscriptions in the system (MWh).
- *TCS (MWh)* - total contract supply system (MWh).
- *SI (MWh)* - size of the system deviation (MWh).
- *PI (MWh)* - sum of positive deviations (MWh).
- *NI (MWh)* - sum of negative deviations (MWh).
- *ISP (EUR/MWh)* - settlement price variations (EUR/MWh).
- *PIP (EUR)* - payments for positive deviations (EUR).
- *NIP (EUR)* - negative payments for deviations (EUR).
- *PSI (EUR)* - payment system deviation (EUR).

**Note:** The form *System deviation* are 12 accounting periods of the trading day (02/06/2010) labeled bottle green, which means that a state of emergency was declared.


User selects the *Date* and *Evaluation type* in the System deviation form and confirms the search criteria by clicking on the View button. System checks the values of input parameters against expected value type and displays data on system deviation in the lower part of form. If a field was entered in incorrect format, the system will display following notification: "Incorrect data format". A click on the Export to TXT button will export the displayed data on system deviation into a TXT file. A click on the Export to XLS button will export the displayed data on system deviation into a XLS file. A click on the Export to XML button will export the displayed data on system deviation into a XML file.




**System deviation**

**List** **Advanced export**

▼ **Filter**


Date from: \* 8/22/2012 


Date to: \* 8/22/2012 


Evaluation Type: \* Daily ▼

**Export**

Data export between 8/22/2012 and 8/22/2012 and Daily evaluation

 [Download file](#)  
Exported TXT document

 [Download file](#)  
Exported XLS document

 [Download file](#)  
Exported XML document

Pict. System deviation - Advanced export

The Advanced export tab displays following fields:

- *Date from* \* – starting date of the displayed trading day.
- *Date to* \* - ending date of the displayed trading day.
- *Evaluation Type* \* – type of the displayed evaluation (Daily, Decadely, Monthly, Final).

**Note:** Metacharacter (\*) – means mandatory field. The entry in the field is validated against entry rule specified in the system.

The Export button starts advanced export into XLS, TXT or XML format.

### 2.4.3 Provided regulation electricity

Displays preliminary daily evaluation *Provided regulation electricity* for every billing period of the corresponding trading day. This data is published before 10:00 a.m., after the preliminary evaluation is done, for the previous trading day. Those data are updated when decade, monthly, adjusted monthly, final and adjusted final deviation evaluation are available. This data is published before 10:00 a.m., after the preliminary evaluation is done, for the previous trading day. Those data are updated when decade, monthly, adjusted monthly, final and adjusted final deviation evaluation are available.

The user must be logged into the system and have defined the appropriate permissions to use:

- profile Subject of Settlement - sees only their data,
- profile administrator ISZO - see details Subject of Settlement,
- profile Operator deviation - see details Subject of Settlement.

The page allows the user to select the Evaluation Date. The preselected date represents the trading day of the last published daily evaluation of RE. The user can see only data for the Supplier of RE, which he/she represents (identified by login data). The data is displayed in quarterhourly resolution excluding the data belonging to the previous trading day.

During the change to middleeuropean summer time the data is displayed in 92 or 23 billing periods, respectively. During the change to middleeuropean time the data is displayed in 100 or 25 billing periods, respectively. This page is accessible only for authorised users. The user can export the evaluation into a XLS, TXT or XML file.

### Procedure

User clicks on the link *Provided regulation electricity* under *Published information* section in the main menu. The system displays the Provided regulation electricity form.

**Provided regulation electricity**

List
Advanced export

▼ Filter

Date: \*  
7/22/2012

Evaluation Type: \*  
Daily

View

Date: 7/22/2012  
Evaluation Type: Daily Settlement  
Evaluation Date: 7/23/2012  
Last Evaluation Type: Monthly Settlement  
Settlement term: 15 min.  
Coefficient for Negative Payments: 0.700

Export: [TXT](#) [XLS](#) [XML](#)

ST	PRE (MWh)	APPRE (EUR/MWh)	PSPRE (EUR)	NRE (MWh)	APNRE (EUR/MWh)	PSNRE (EUR)	TRE (MWh)	TCRE (EUR)
1	2.091	145.4926	304.2250	-4.722	-64.9835	306.8520	-2.631	611.0770
2	0.093	149.0000	13.8570	-5.574	-75.7187	422.0560	-5.481	435.9130
3	0.000	0.0000	0.0000	-13.490	-80.0000	1,079.2000	-13.490	1,079.2000

Pict. Provided regulation electricity - List

The List tab displays following fields:

- *Date\** - the date of the displayed trading day.
- *Evaluation Type\** – type of the displayed evaluation (Daily, Decadely, Monthly, Final).

**Note:** Metacharacter (\*) – means mandatory field. The entry in the field is validated against entry rule specified in the system.

The View button starts the search according to the selected search criteria. The List tab displays following fields according to the selected search criteria:

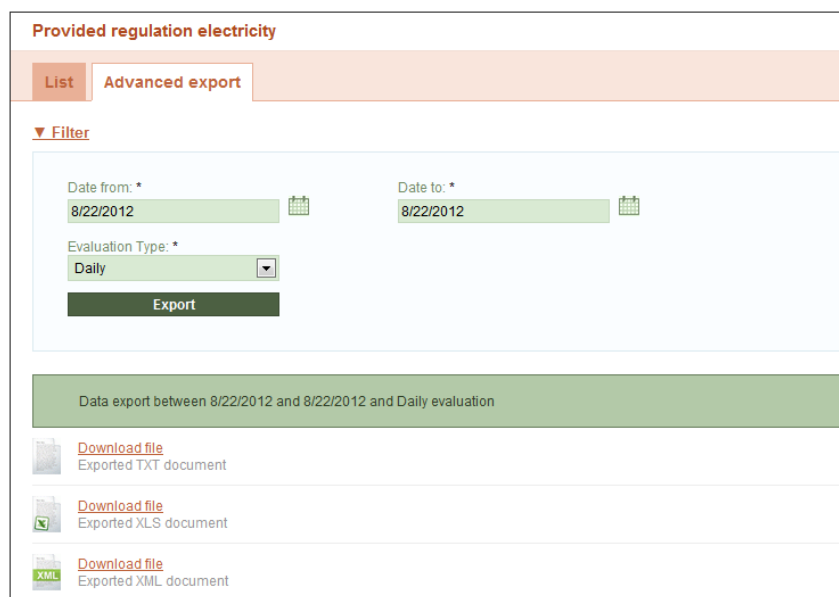
- *Date* - the date of the displayed trading day.
- *Evaluation Type* – type of the displayed evaluation.
- *Evaluation Date* – date when the displayed evaluation was done.
- *Last Evaluation Type* – type of the last evaluation done.
- *Settlement term* – the sequence number of the billing period of the corresponding trading day. It represents the value 1-24 for hourly resolution (value 1-23 or 1-25 for transition days). It represents the value 1-96 for quarterhourly resolution (value 1-92 or 1-100 for transition days).
- *Coefficient for Negative Payments* - for example. (0.700), the coefficient for negative payments, which are selected based on the type of settlement of deviation and the end of the date displayed in reports.

The displayed list contains the following fields:

- *ST* - sequence of the billing period within corresponding trading day. Using hourly resolution it represents value 1-24 (1-23 or 1-25, respectively). Using quarterhourly resolution it represents value 1-96 (1-92 or 1-100, respectively).
- *PRE (MWh)* - RE positive volume (MWh).
- *APPPRE (EUR/MWh)* - average price for a positive RE (EUR/MWh).
- *PSPRE (EUR)* - payment for the positive RE (EUR).
- *NRE (MWh)* - RE negative volume (MWh).
- *APNRE (EUR/MWh)* - RE negative average price (EUR/MWh).
- *PSNRE (EUR)* - payment as a negative RE (EUR).
- *TRE (MWh)* - total RE (MWh).
- *TCRE (EUR)* - total cost of RE (EUR).

**Note:** The form *Provided regulation electricity* are 12 accounting periods of the trading day (02/06/2010) labeled bottle green, which means that a state of emergency was declared.

User selects the *Date* and *Evaluation Type* in the *Provided regulation electricity* form and confirms the search criteria by clicking on the View button. System checks the values of input parameters against expected value type and displays data on deviation of the subjects of settlement in the lower part of form. If a field was entered in incorrect format, the system will display following notification: "*Incorrect data format*". A click on the Export to TXT, XLS, XML button will export the displayed data on off-take and supply balance into a TXT, XLS, XML file.



*Pict. Provided regulation electricity - Advanced export*

The Advanced export tab displays following fields:

- *Date from* \* – starting date of the displayed trading day.
- *Date to* \* - ending date of the displayed trading day.
- *Evaluation Type* \* – type of the displayed evaluation (Daily, Decadely, Monthly, Final).

**Note.** Metacharacter (\*) – means mandatory field. The entry in the field is validated against entry rule specified in the system.

The Export button starts advanced export into XLS, TXT or XML format.

#### 2.4.4 Demand/Supply Balance

Displays supply and *Demand/Supply balance* in total for the whole electrification system for every billing period of the corresponding trading day. This data is published for the next trading day after the registration of daily diagrams is finished. The data for the previous trading day is updated after the registration of intraday diagrams is finished. The data is displayed in quarterhourly resolution excluding the data belonging to the previous trading day. During the change to middleeuropean summer time the data is displayed in 92 or 23 billing periods, respectively. During the change to middleeuropean time the data is displayed in 100 or 25 billing periods, respectively. This portal page is public page. The user can export the evaluation into a XLS, TXT or XML file.

### Procedure

User clicks on the link *Demand/Supply balance* under *Published information* section in the main menu. The system displays the Demand/Supply balance form.


## Demand/Supply Balance

List

Advanced export

Date:

6/2/2012



Display

Date: 6/2/2012  
Settlement term: 15 min.

Export: [TXT](#) [XLS](#) [XML](#)

Settlement Term	Consumption Aggregate (MWh)	Supplies Aggregate (MWh)	Balance Sheet of Supplies and Consumption (MWh)
1	1,881.112	1,747.710	133.402
2	1,881.011	1,747.609	133.402
3	1,880.987	1,747.585	133.402

Pict. Demand/Supply Balance - List

The List tab displays following fields:

- *Date* - the date of the displayed trading day.

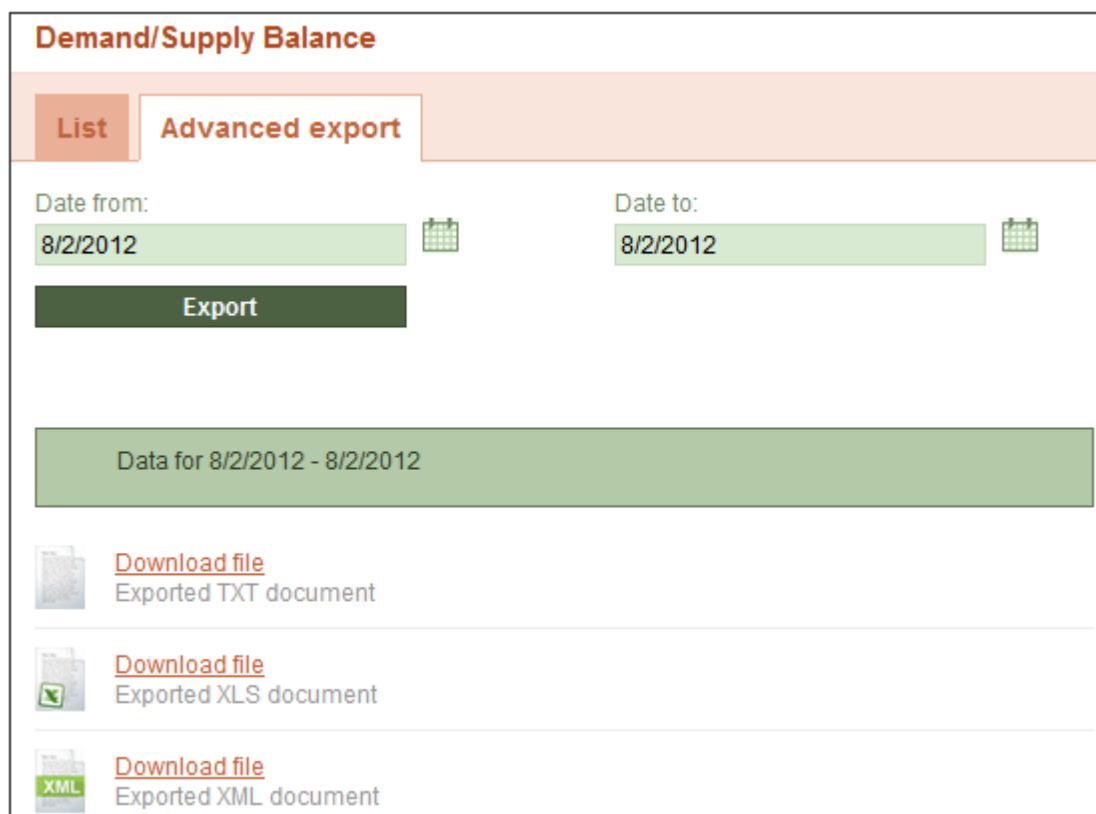
The Display button starts the search according to the selected search criteria. The List tab displays following fields according to the selected search criteria:

- *Date* - the date of the displayed trading day.
- *Settlement term* – the sequence number of the billing period of the corresponding trading day. It represents the value 1-24 for hourly resolution (value 1-23 or 1-25 for transition days). It represents the value 1-96 for quarterhourly resolution (value 1-92 or 1-100 for transition days).

The displayed list contains the following fields:

- *Settlement Term* – sequence of the billing period within corresponding trading day. Using hourly resolution it represents value 1-24 (1-23 or 1-25, respectively). Using quarterhourly resolution it represents value 1-96 (1-92 or 1-100, respectively).
- *Consumption Aggregate (MWh)* – total of all registered supplies from all subjects of settlement in MWh.
- *Supplies Aggregate (MWh)* – total of all registered off-takes from all subjects of settlement in MWh.
- *Balance Sheet of Supplies and Consumption (MWh)* – difference of sums of registered supply and off-take from all subjects of settlement in MWh.

User selects the *Date* in the Demand/Supply balance form and confirms the search criteria by clicking on the Display button. System checks the values of input parameters against expected value type and displays data on Demand/Supply balance in the lower part of form. If a field was entered in incorrect format, the system will display following notification: "*Incorrect data format*". A click on the Export to TXT, XLS, XML button will export the displayed data on off-take and supply balance into a TXT, XLS, XML file.



*Pict. Demand/Supply Balance - Advanced export*

The Advanced export tab displays following fields:

- *Date from* – starting date of the displayed trading day.
- *Date to* - ending date of the displayed trading day.

The Export button starts advanced export into XLS, TXT or XML format.

### 2.4.5 Deviation of the Subject of Settlement

Displays preliminary daily evaluation *Deviation of the Subject of Settlement* for every billing period of the corresponding trading day. This data is published before 10:00 a.m., after the preliminary evaluation is done, for the previous trading day. Those data are updated when decade, monthly, adjusted monthly, final and adjusted final deviation evaluation are available. This data is published before 10:00 a.m., after the preliminary evaluation is done, for the previous trading day. Those data are updated when decade, monthly, adjusted monthly, final and adjusted final deviation evaluation are available.

The user must be logged into the system and have defined the appropriate permissions to use:

- profile Subject of Settlement - sees only their data,



- profile administrator ISZO - see details Subject of Settlement,
- profile Operator deviation - see details Subject of Settlement.

The page allows the user to select the date and type of evaluation (daily, decade, monthly, adjusted monthly, final, adjusted final). The evaluation type can be selected using list of types, which are available for the selected trading day. Changing the date the page will automatically select the last evaluation available for the date. The preselected date represents the trading day of the last published daily deviation evaluation and the evaluation type is set to Daily. The user can see only data for the Subject of Settlement, which he/she represents (identified by login data).

The data is displayed in quarterhourly resolution excluding the data belonging to the previous trading day. During the change to middleeuropean summer time the data is displayed in 92 or 23 billing periods, respectively. During the change to middleeuropean time the data is displayed in 100 or 25 billing periods, respectively. This page is accessible only for authorised users. The user can export the evaluation into a XLS, TXT or XML file.

### Procedure

User clicks on the link *Deviation of the Subject of Settlement* under *Published information* section in the main menu. The system displays the Deviation of the Subjects of Settlement form.

### Deviation of the Subject of Settlement

List

Advanced export

▼ Filter

Subject of settlement: \*

Slovenské elektrárne

Date: \*

1/2/2012

Evaluation Type: \*

Daily

▼

View

Date: 1/2/2012  
Evaluation Type: Daily Settlement  
Evaluation Date: 1/3/2012  
Last Evaluation Type: Monthly Settlement  
Settlement term: 15 min.  
Coefficient for Negative Payments: 0.700

Export: [TXT](#) [XLS](#) [XML](#)

ST	CC (MWh)	CS (MWh)	MA (MWh)	RE (MWh)	Imb (MWh)	ISP (EUR/MWh)	PFI (EUR)
1	155.000	700.137	543.126	-3.083	-1.072	-80.0000	85.7600
2	155.000	700.212	541.390	-4.029	-0.207	-80.0000	16.5600
3	155.000	700.237	540.500	-4.791	-0.054	-80.0000	4.3200

Pict. Deviation of the Subject of Settlement

The List tab displays following fields:

- *Subject of Settlement\** - select the name of the subject of settlement.
- *Date\** - the date of the displayed trading day.
- *Evaluation Type\** – type of the displayed evaluation (Daily, Decadely, Monthly, Final).

**Note:** *Metacharacter (\*)* – means mandatory field. The entry in the field is validated against entry rule specified in the system.

The View button starts the search according to the selected search criteria. The List tab displays following fields according to the selected search criteria:

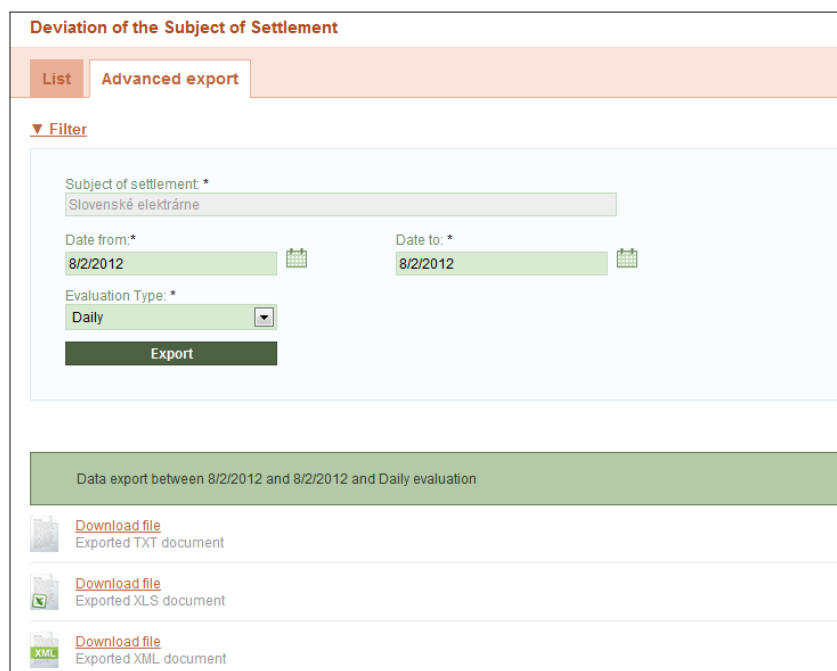
- *Date* - the date of the displayed trading day.
- *Evaluation Type* – type of the displayed evaluation.
- *Evaluation Date* – date when the displayed evaluation was done.
- *Last Evaluation Type* – type of the last evaluation done.
- *Settlement term* – the sequence number of the billing period of the corresponding trading day. It represents the value 1-24 for hourly resolution (value 1-23 or 1-25 for transition days). It represents the value 1-96 for quarterhourly resolution (value 1-92 or 1-100 for transition days).
- *Coefficient for Negative Payments* - for example. (0.700), the coefficient for negative payments, which are selected based on the type of settlement of deviation and the end of the date displayed in reports.

The displayed list contains the following fields:

- *ST* - sequence of the billing period within corresponding trading day. Using hourly resolution it represents value 1-24 (1-23 or 1-25, respectively). Using quarterhourly resolution it represents value 1-96 (1-92 or 1-100, respectively).
- *CC (MWh)* - contract amount of donations from registered daily diagrams for each settlement period of the trading day referred to in MWh.
- *CS (MWh)* - sum of contracted supplies from registered daily diagrams for each billing period of the corresponding trading day in MWh.
- *MA (MWh)* – metered amount in MWh for each billing period of the corresponding trading day.
- *ARE (MWh)* - sum of accounted regulation electricity of the subject of settlement for each billing period of the corresponding trading day in MWh.
- *RE (MWh)* - settlement body size variation for each settlement period of the trading day referred to in MWh.
- *Imb (MWh)* - absolute deviation for each settlement period of the trading day referred to in MWh.
- *ISP (EUR/MWh)* - negative price deviation for each settlement period of the business day specified in EUR/MWh.
- *PFI (MWh)* - total payment for deviations for each settlement period of the trading day in EUR.

**Note:** The form Deviation of the Subject of Settlement are 12 accounting periods of the trading day (02/06/2010) labeled bottle green, which means that a state of emergency was declared.

User selects the *Date* and *Evaluation Type* in the Deviation of the Subject of Settlement form and confirms the search criteria by clicking on the View button. System checks the values of input parameters against expected value type and displays data on deviation of the subjects of settlement in the lower part of form. If a field was entered in incorrect format, the system will display following notification: "Incorrect data format". A click on the Export to TXT, XLS, XML button will export the displayed data on off-take and supply balance into a TXT, XLS, XML file.



*Pict. Deviation of the Subject of Settlement - Advanced export*

The Advanced export tab displays following fields:

- *Subject of Settlement\** - select the name of the subject of settlement.
- *Date from\** – starting date of the displayed trading day.
- *Date to\** - ending date of the displayed trading day.
- *Evaluation Type\** – type of the displayed evaluation (Daily, Decadely, Monthly, Final).

**Note:** *Metacharacter (\*)* – means mandatory field. The entry in the field is validated against entry rule specified in the system.

The Export button starts advanced export into XLS, TXT or XML format.

## 2.4.6 Measurement error by PDS

Portal page Measurement error by PDS is for disclosure of uncertainty in the measured data reported between daily and monthly settlement variation. Inaccuracy in the reported measurements is evaluated in percentages for each calendar day total at provider level measurements. If the provider fails to report the required measurement values measured in D +1 no, it's in the portal XMtrade / ISZO explicitly mentioned. The total uncertainty of measurement is the level of the providers of publicly available information.

### *Procedure*

User clicks on the link *Measurement error by PDS* section under main menu *Published data*. System opens the Measurement error by PDS form.

**Measurement error by PDS**

▼ Filter

Month: \*  
January

Year: \*  
2011

Measurement type: \*  
A

View

Year: 2011  
Month: January  
Measurement type: A

Export: [TXT](#) [XLS](#) [XML](#)

PDS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Dalkia Industry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energosam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Europa SC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEPS, a.s.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SSE Distribúcia, a.s.	0.00	241.47	0.00	0.00	0.00	0.00	0.00	152.60	162.68	0.00	4.11	3.56	3.48	3.88	2.59	2.91
VSE distribučná, a.s.	0.00	4.10	0.00	0.00	0.00	0.00	0.00	0.55	0.51	0.00	0.56	0.61	0.49	0.47	0.42	0.43
ZSE Distribúcia, a.s.	0.00	17.85	0.00	0.00	0.00	0.00	0.00	2.77	4.29	0.00	1.83	1.15	1.08	1.11	1.57	1.42
ŽSR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.24	0.00	0.00	0.00	0.00	0.00	14.70	13.66	13.13

Pict. Measurement error by PDS

In the *Filter* section, choose the basic parameters (*Month\**, *Year\**, *Measurement type\** (*A*, *B*, *C*, *A + B + C*)) and confirm the View button. The system displays the records matching the filter criteria. In the event that no records satisfying the criteria of the filter, the system If information displays - "No data found".

**Note:** Metacharacter (\*) denotes that the figure in the field is mandatory. On the field in the system, there is validation, which is used for precise control of a specified string.

Form according to the set search criteria, a list of all the distribution of inaccurate measurements for each calendar day. Click the links Export TXT, XLS and XML export the list to TXT, XLS and XML document.

## 2.4.7 Measurement error for SS

Portal site Measurement error for SS uncertainty aimed at disclosure of uncertainty in the measured data reported between daily and monthly settlement variation. Inaccuracy in the reported measurements is evaluated in percentages for each calendar day total at balance groups of subjects of settlement. If the provider fails to report the required measurement values measured in D +1 no, it's in the portal XMtrade/ISZO explicitly mentioned. The overall uncertainty at the balance groups is only available to logged-in users body and settlement system operators XMtrade/ISZO.

### Procedure

User clicks on the link *Measurement error for SS* section under main menu *Published data*. System opens the Measurement error for SS form.

**Measurement error for SS**

▼ Filter

Subject of settlement: \*  
Slovenské elektrárne

Month: \*  
May

Year: \*  
2012

Measurement type: \*  
A+B+C

View

Subject of settlement: Slovenské elektrárne  
Year: 2012  
Month: May  
Measurement type: A+B+C

Export: [TXT](#) [XLS](#) [XML](#)

PDS	Balancing group	1	2	3	4	5	6	7	8	9	10	11	12	13	14
SSE Distribúcia, a.s.	24Y-SS-SE—S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZSE Distribúcia, a.s.	24Y-ZS-SE—I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VSD, a.s.	24Y-VS-SE—T	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEPS cezhranične vymeny	24Y-SEPS-SL-EL-P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Legend

Flags for the evaluation of errors in measured values:

- Calculated
- Uncalculated
- Unreported

Pict. Measurement error for SS

In the *Filter* section, choose the basic parameters (*Subject of settlement\**, *Month\**, *Year\**, *Measurement type\** (A, B, C, A+B+C)) and confirm the View button. The system displays the records matching the filter criteria. In the event that no records satisfying the filter criteria, system If information displays - "No data found".

**Note:** Metacharacter (\*) denotes that the figure in the field is mandatory. On the field in the system, there is validation, which is used for precise control of a specified string.

Form according to the set search criteria, the system displays a list of all entities settlement with inaccurate measurements for each calendar day. Click the links Export TXT, XLS and XML export the list to TXT, XLS and XML document.

The *Legend* section - flags for the evaluation of errors in measured values:

- *Calculated* - Calculated value,
- *Uncalculated* - did not calculate the value,
- *Unreported* - unreported values.

### 2.4.8 Negative payments coefficient

This website portal is the factor for negative payments, which are chosen based on the type of deviation billing date and the end of the period. The data are shown in tabular form. When

displaying values (kpzo) does not change the state of the system. Filter is the default deviation for daily settlement for a period of ten months prior to the next month. The procedure for the publication of historical values of the coefficient (kpzo) is as follows.

### Procedure

User clicks on the link *Negative payments coefficient* section under main menu *Published data*. System opens the Negative payments coefficient form.

Year	Month	Coefficient	Coefficient for final evaluation
2012	6	0.7	
2012	7	0.7	
2012	1	0.7	
2012	4	0.7	
2012	2	0.7	
2012	8	0.994	
2012	5	0.7	
2012	3	0.7	

*Pict. Negative payments coefficient*

Login user selects the *Filter* section interval period (*Date from*, *Date to*) as required display value *kpzo* and presses the View button. The system displays the records matching the filter criteria. In the event that no records satisfying the filter criteria, system If information displays - "No data found".

**Note:** Metacharacter (\*) denotes that the figure in the field is mandatory. On the field in the system, there is validation, which is used for precise control of a specified string.

Under *Number of rows* to select the number of entries displayed per page, select one of the offered options that determine how many rows to display on one page form.

The system displays the evolution of the coefficient values (kpzo) in the following structure:

- *Year* - the year of settlement.
- *Month* - month settlement.
- *Coefficient* - the coefficient for daily, monthly and decadal settlement.
- *The coefficient for the final showdown* - a negative factor for payments to be chosen based on the type of deviations and settlement period end date.

## 2.4.9 Measured values sending time

Terms reporting documents (deadlines) for reporting measurements are as follows:

- The daily settlement of deviations is the deadline for reporting measurements calendar day following the 9:00 (and similarly for reporting RE).
- For monthly billing of deviations is the deadline for reporting measurements 5th calendar day after the end of the month (substitute replacement values A real measurement, measurement of B-type addition, consideration of complaints). When RE is reporting deadline for monthly billing of deviations 6th calendar day, tolerate the changes to the physical implementation of a monthly accounting when reporting RE concludes.

- The final statement of deviations is the deadline for reporting measured 8 months after the month (for measurement of type C).
- Additional terms arise from complaints - the system operator has 15 calendar days from sending complaints to the moon, and the final settlement of deviations to express the claim and repair measurements.

### Procedure

User clicks on the link *Measured values sending time* section under main menu *Published data*. System opens the Measured values sending time form.

▼ Sending date	Provider	Description	Version	Sent by
	SEPS cezhranice vymeny	Regulation electricity for 01/03/2005	1	
	SEPS cezhranice vymeny	Regulation electricity for 02/03/2005	1	
	SEPS cezhranice vymeny	Regulation electricity for 11/07/2005	1	
	SEPS cezhranice vymeny	Regulation electricity for 27/07/2005	1	
8/22/2012 9:00:00 AM		Daily deadline for measured values for 21/08/2012		
8/22/2012 9:00:00 AM		Daily deadline for regulation electricity for 21/08/2012		
8/22/2012 8:34:02 AM	SEPS cezhranice vymeny	Measured values for 21/08/2012	1	
8/21/2012 9:00:00 AM		Daily deadline for measured values for 20/08/2012		
8/21/2012 9:00:00 AM		Daily deadline for regulation electricity for 20/08/2012		
8/21/2012 8:36:14 AM	SEPS cezhranice vymeny	Measured values for 20/08/2012	1	

Pict. Measured values sending time

In the *Filter* section, choose the basic parameters:

- *Date from* - the period for which data were reported (format dd.mm.yyyy).
- *Date to* - the end of the period for which data were reported (format dd.mm.yyyy).
- *Type* - the type name of the reported data (measured value, Regulatory electricity).
- *Provider* - the name of the measured data).

Basic parameters of the View button to confirm. The system checks the value input parameters to the expected type, and displays the information at the bottom of the form. If the user fills the fields in the wrong format, the system displays the information - "*Incorrect fields' values - Incorrect format*".

Under *Number of rows* to select the number of entries displayed per page, select one of the offered options that determine how many rows to display on one page form. Click the links Export XLS to export the list to XLS document.

In the resulting list contains the following columns:

- *Sending date* - the date of reporting of measured data is displayed in the format dd.mm.yyyy HH 24: mi.
- *Provider* - the name of the measured data.

- *Description* - description of the reported data.
- *Version* - version of the reported data, showing the whole number.
- *Sent by* - the name of the user who report data.

## 2.5 Financial Guarantee

- [Subject Rating](#)
- [Risk Management Status](#)
- [Custody account payments](#)
- [Daily Trade Volume Management](#)
- [Financial Calculator](#)

### 2.5.1 Subject Rating

Subject Rating, values needed for calculation of the evaluation of the Subject of Settlement and also assignment to evaluation group. This page is accessible only for authorised representatives of the Subject of Settlement. This page allows user to select date of the trading day, for which the evaluation review of the Subject of Settlement will be displayed.

#### *Procedure*

User clicks on the link *Subject Rating* under *Financial Guarantee* section in the main menu. The system displays the Subject Rating form.



**Subject Rating**

**Filter**

Subject of settlement: \*  
Zvolenská teplárenská

Date: \*  
6/1/2012

**View**

Subject of settlement: Zvolenská teplárenská  
Date: 6/1/2012

Subject of settlement: Zvolenská teplárenská

Date: 6/1/2012

Capital (EUR): 26,144,360.35

Days after the maturity: 3

Bankruptcy: No

K1: 0

K2: 2

Kg: 0.30

Hk: 2

Rating group: 2

The list of receivables affecting the cumulative number of days

Invoice number	Invoice type	Invoice period	Due date	Amount(EUR)	Overdue
2123 055	Debit note	10/1/2010 - 10/31/2010	2/6/2012	0.00	1
2124 372	Final invoice	3/1/2012 - 3/31/2012	4/16/2012	0.00	1
2120 306	Proforma invoice	4/1/2012 - 4/10/2012	4/18/2012	0.00	1
Summary:				0.00	3

Pict. Subject Rating Management

The *Filter* section displays the following fields:

- *Subject of Settlement\** - select the name of the subject of settlement.
- *Date\** - the date of the displayed trading day selected using the Calendar icon.

**Note:** Metacharacter (\*) – means mandatory field. The entry in the field is validated against entry rule specified in the system.

The View button starts the search according to the selected search criteria. The Subject Rating form displays following fields according to the selected search criteria:

- *Subject of settlement* – name of the subject of settlement.
- *Date* - the date of the displayed trading day.
- *Capital* (EUR) – basic capital of the subject of settlement in valid currency.
- *Days alter the maturity* - cumulated number of days of delayed payments to the Deviation Biller in the last 4 months.
- *Bankruptcy* - yes/no field, if the subject declared bankruptcy Kg = 1.
- *K1* - index K1 based on the basic capital of the subject of settlement.
- *K2* - index K2 based on delayed payments.
- *Kg* – risk management index represented by values 0,2; 0,4; 0,6; 0,8 a 1.
- *Hk* – sum of K1+K2.
- *Rating group* – is set based on the Kg index.

User selects the *Subject of Settlement* and *Date* in the Subject Rating form and confirms the search criteria by clicking on the View button. System checks the values of input parameters against expected value type and displays data on selected subject of settlement in the lower part of Subject Rating form. If a field was entered in incorrect format and the user starts the search using the View button, the system will display following notification: "*Incorrect data format*".

In the section List of receivables affecting the cumulative number of days for late payment a summary of all invoices that overdue receivables as affecting the level of financial guarantee in KPD subjects of settlement. Containing a list of claims, the following columns (*Invoice number, Invoice type, Invoice period, Due date, Amount (EUR), Overdue*).

## 2.5.2 Risk Management Status

The Risk Management Status portal page displays an overview of the risk management of the subject of settlement. This page is accessible only for authorised users.

### *Procedure*

User clicks on the link *Risk Management Status* under *Financial Guarantee* section in the main menu. The system displays the Risk Management Status form.

### Risk Management Status

Filter

Subject of settlement: \*

Zvolenská teplárenská

Date: \*

6/1/2012

View

Calculation of PFZ:  $PFZ = OO \cdot (Zp+5) \cdot Po \cdot Kg \cdot Co$

Subject of settlement:	Zvolenská teplárenská
Date:	6/1/2012
OO (MWh):	300.00
Zp:	10
Po:	0.027
Co:	161.588
Kg:	0.30
Necessary FZ (EUR) - PFZ:	5,889.88
Deposit account (EUR):	9,976.55
Bank guarantees (EUR):	0.00
Virtual payments (EUR):	0.00
Total DFZ (EUR):	9,976.55
Available OO (MWh):	508.000
Effective OO (MWh):	508.000
Preliminary DOO (MWh):	508.000
The amount of long-term charts (MWh):	0.000
Date and time of calculation:	6/15/2012 1:49:22 PM

Bank account

Financial guarantee account

Account number: 2921122968/1100

BIC (SWIFT): TATRSKBX

IBAN: SK40 1100 0000 0029 2112 2968

- deposit on financial guarantee ISZO

Pict. Risk Management Status

The *Filter* section displays the following fields:

- *Subject of Settlement\** - shows name of the Subject of Settlement.
- *Date\** - the date of the displayed trading day selected using the Calendar icon.

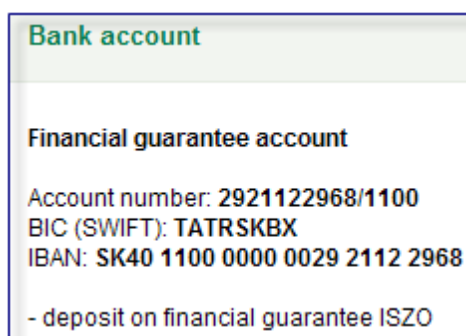
**Note.** Metacharacter (\*) – means mandatory field. The entry in the field is validated against entry rule specified in the system.

The View button starts the search according to the selected search criteria.

- *Calculation of PFZ*:  $PFZ = OO * (Zp+5) * Po * Kg * Co$
- *Subject of settlement* – name of the selected subject of settlement.
- *Date* - the date of the displayed trading day.
- *OO (MWh)* – maximum volume of daily trade of the subject of settlement reported to deviation biller (in MWh).
- *Zp* – period, for which the financial guarantee is set.
- *Po* – relative deviation of the subject of settlement.
- *Co* – average price of vitreous deviation.
- *Kg* – risk management index represented by values 0,2; 0,4; 0,6; 0,8 a 1.
- *Necessary FZ (EUR) - PFZ* – necessary financial guarantee calculated using the formula  $FZ = OO * (Zp+5) * Po * Co * Kg$  in EUR.
- *Deposit account (EUR)* – current balance on deposit account in EUR.
- *Bank guarantees (EUR)* – current balance of banker's guarantees in EUR.
- *Virtual payments (EUR)* – current balance of virtual payments in EUR.
- *Total DFZ (EUR)* – sum of financial guarantee including deposit account, banker's guarantees and virtual payments in EUR.
- *Available OO (MWh)* – OO volume covered by available financial guarantee of the subject of settlement in MWh.
- *Effective OO (MWh)* – calculated as minimum from OO and DOO minus sum of all received daily diagrams in v MWh.
- *Preliminary DOO (MWh)* – preliminary available OO in MWh.
- *The amount of long-term charts (MWh)* – sum of received long-term diagrams in MWh.
- *Date and time of calculation* - date and time of calculation of preliminary parameters: available OO, effective OO and sum of received long-term diagrams.

User selects the *Subject of Settlement* and *Date* in the Risk Management Status form and confirms the search criteria by clicking on the View button. System checks the values of input parameters against expected value type and displays data on selected subject of settlement in the lower part of Risk Management Status form. If a field was entered in incorrect format and the user starts the search using the View button, the system will display following notification: *Incorrect data format*.

In the section *Bank account ...*



**Bank account**

**Financial guarantee account**

Account number: 2921122968/1100  
 BIC (SWIFT): TATRSKBX  
 IBAN: SK40 1100 0000 0029 2112 2968  
 - deposit on financial guarantee ISZO

*Pict. Bank account*

... Financial guarantee account (*Account number, BIC, IBAN*), and deposit on financial guarantee ISZO.

### 2.5.3 Custody account payments

Portal Page *Custody account payments* used to display an overview of payments and financial settlement body movements. View payments you operator FG virtual and actual payment. FG allows the operator to select entities settlement date to see the period to monitor payment status report. A choice of payment, be it real or virtual payment. The user must be logged into the system and have defined the access rights to use.

#### Procedure

User clicks on the link *Custody account payments* under *Financial Guarantee* section in the main menu. The system displays the Custody account payments form.

▲ Subject Of Settlement	Amount (EUR)	Type	Transaction	Valid From	Valid To
Slovenské elektrárne	3,000,000.00	Virtual	Credit	2/24/2010	3/1/2010

Pict. Custody account payments

The *Filter* section contains following fields:

- *Date from/to* - starting and ending date of the time period selected using the Calendar icon.
- *Type* - payment type (virtual, actual).

The View button starts the search according to the selected search criteria. The *Custody account payments* form displays following fields according to the selected search criteria:

The item *Number of lines* to choose the number of entries displayed per page, ie choose one of offered options that determine how many rows to be displayed on one page form. Click the links Export TXT, XLS. Export to export the list to TXT, XLS document.

- *Subject of settlement* – name of the subject of settlement.
- *Amount (EUR)* – sum of a deposit payment in EUR.
- *Type* – payment type (virtual, actual).
- *Transaction* – transaction type credit/debet.
- *Valid from* – virtual payment validity starts on.
- *Valid to* - virtual payment validity ends on.

### 2.5.4 Daily Trade Volume Management

Entering the portal's *Daily Trade Volume Management* is the maximum value for the award OO clearing entities. OO value represents the maximum amount of a daily subject of settlement entities reported settlement Deviation Biller. The value is given in MWh. It also shows the

values of SR for the last 12 months. The value of OO is sent no later than 20 calendar day of the M-1 to the following month.

Insert the value of OO allows the operator to select the subject of settlement FG, enter the amount of OO in MWh for the operator to enter the settlement and the time period - up to which a given amount of SR is valid (start and end time interval). FG operator has the option to change the value of OO during the month other than monthly intervals. The user must be logged into the system and have defined the access rights to use.

### Procedure

User clicks on the link *Daily Trade Volume Management* under *Financial Guarantee* section in the main menu. The system displays the Daily Trade Volume Management form.

**Daily Trade Volume Management**

**Filter**

Subject of settlement: \*  
A.En.Slovensko, s.r.o.

Date from:  
4/30/2009

Date to:  
4/30/2009

**View**

Subject of settlement: A.En.Slovensko, s.r.o.  
Date from: 4/30/2009  
Date to: 4/30/2009

Number of lines: 10

Export: [TXT](#) [XLS](#)

**Add OO**

▼ Date from	Date to	Volume OO (MWh)
4/30/2009	4/30/2009	2,400.00

Pict. Daily Trade Volume Management

The *Filter* section displays the following fields:

- *Subject of settlement\** - name of the subject of settlement.
- *Date from/to* - starting and ending date of the time period selected using the Calendar icon.

**Note.** Metacharacter (\*) – means mandatory field. The entry in the field is validated against entry rule specified in the system.

The View button starts the search according to the selected search criteria. The Daily Trade Volume Management form displays following fields according to the selected search criteria:

- *Date from/to* - starting and ending date of the time period.
- *Volume OO (MWh)* – maximum sum of absolute values of hourly diagrams in MWh. If the value was not set, the values from last month are used.

The item *Number of lines* to choose the number of entries displayed per page, ie choose one of offered options that determine how many rows to be displayed on one page form. Click the links Export TXT, XLS. Export to export the list to TXT, XLS document.

User selects the corresponding subject of settlement and time period - *Date from-to*. User confirms the selection using the View button. The system displays a list of OO values according to selected search criteria. User clicks on the Add OO button. The system displays the Add Daily Trade Volume form.

Pict. Add Daily Trade Volume

The form displays the following fields:

- *Subject of settlement\** - name of the subject of settlement, field is not editable.
- *Date from\** - starting and ending date of the time period.
- *Volume OO (MWh) \** – maximum sum of absolute values of hourly diagrams in MWh. If the value was not set, the values from last month are used.

**Note.** Metacharacter (\*) – means mandatory field. The entry in the field is validated against entry rule specified in the system.

User submits/changes the OO values in the Add Daily Trade Volume form and saves the changes using the Save button. System checks the values of input parameters against expected value type. The *Volume OO* are validated and the system saves new OO values in the Daily Trade Volume Management form. System displays the following notification "Information" "*OO values successfully saved*". A click on the List button returns the user back to main form Daily Trade Volume Management.

## 2.5.5 Financial Calculator

Provides *Financial calculator* to specify the amount of financial guarantee or maximal value of contracted daily supplies or off-takes. The This portal page is public page.

### Procedure

User clicks on the link *Financial calculator* under *Financial Guarantee* section in the main menu.

The system displays the Financial calculator form.

### Financial Calculator

Financial calculator is used to determine the amount of financial guarantee or maximal quantity of agreed daily consumption or supply (OO).

- To calculate the financial guarantee enter the maximal quantity of agreed daily consumption or supply (OO).
- To calculate the maximal quantity of daily consumption or supply (OO) enter the amount of anticipated financial guarantee.
- Press **Enter** or click on the **Calculate** button.

OO:  MWh

Po: \*

Kg: \*

Co: \*  EUR/MWh

Financial guarantee:  EUR

**Calculate**

OO = Higher value from sum of absolute values of agreed consumption and sum of absolute values of supply in daily diagram of the Subject of Settlement reported by the Subject of Settlement to the Deviation Biller.

Po = Relative deviation of the subject of settlement valid for the following month. It is a division of average of absolute values of deviation of subject of settlement in billing periods and higher value of average of absolute values of agreed purchase and the average of absolute values of agreed supplies from registered daily diagram for the previous four months rounded to three decimal places. Subjects of settlement which conclude the contract on settlement of deviation for the first time and subjects of settlement without off-take points the value of Po is 0.5. Po of subject of settlement with off-take point is adjusted after the two calendar month from the first registered trade and registration of off-take point. The minimum value of Po is 0.010.

Kg = The coefficient of financial guarantee for the given evaluation group of subject of settlement.

Co = Average price of vitreous (positive) deviation valid for the next month is calculated as weighted average of vitreous (positive) system deviation price for the preceding four months.

### Bank account

**Financial guarantee account**

Account number: 2921122968/1100  
BIC (SWIFT): TATRSKBX  
IBAN: SK40 1100 0000 0029 2112 2968

- deposit on financial guarantee ISZO

*Pict. Financial Calculator*

The form displays the following fields (*OO*, *Po\**, *Kg\**, *Co\**, *Financial guarantee*).

**Note:** Metacharacter (\*) – means mandatory field. The entry in the field is validated against entry rule specified in the system.

Financial calculator is used to determine the amount of financial guarantee or maximal quantity of agreed daily consumption or supply (OO).



- To calculate the financial guarantee enter the maximal quantity of agreed daily consumption or supply (OO).
- To calculate the maximal quantity of daily consumption or supply (OO) enter the amount of anticipated financial guarantee.
- Press Enter or click on the Calculate button.
- $OO$  = Higher value from sum of absolute values of agreed consumption and sum of absolute values of supply in daily diagram of the Subject of Settlement reported by the Subject of Settlement to the Deviation Biller.
- $Po$  = Relative deviation of the subject of settlement valid for the following month. It is a division of average of absolute values of deviation of subject of settlement in billing periods and higher value of average of absolute values of agreed purchase and the average of absolute values of agreed supplies from registered daily diagram for the previous four months rounded to three decimal places. Subjects of settlement which conclude the contract on settlement of deviation for the first time and subjects of settlement without off-take points the value of  $Po$  is 0.5.  $Po$  of subject of settlement with off-take point is adjusted after the two calendar month from the first registered trade and registration of off-take point. The minimum value of  $Po$  is 0.010.
- $Kg$  = The coefficient of financial guarantee for the given evaluation group of subject of settlement.
- $Co$  = Average price of vitreous (positive) deviation valid for the next month is calculated as weighted average of vitreous (positive) system deviation price for the preceding four months.

In the section *Bank account* - Financial guarantee account (*Account number, BIC, IBAN*) and deposit on financial guarantee ISZO.

## 2.6 Business Records

- [Balance Group Management](#)
  - [View Balance Group](#)

### 2.6.1 Balance Group Management

The *Balance Group Management* portal page allows creation, deletion of balance groups and modification of existing balance groups. This page is accessible only for authorised users.

#### *Procedure*

User clicks on the link *Balance Group Management* under *Business Records* section in the main menu. The system displays the Balance group management form.

**Balance Group Management**

**Filter**

Subject of Settlement:  
Slovenské elektrárne

Transmission Operator:  
< all >

Valid from: Valid to:

View

Number of lines: 10

▲ BG (EIC)	SS	TO	Valid from	Valid to	Operations
24Y-SEPS-SL-EL-P	Slovenské elektrárne	SEPS, a.s.	1/1/2010		
24Y-SS-SE-----S	Slovenské elektrárne	SSE Distribúcia, a.s.			
24Y-VS-SE-----T	Slovenské elektrárne	VSE distribučná, a.s.			
24Y-ZS-SE-----I	Slovenské elektrárne	ZSE Distribúcia, a.s.			

Pict. Balance Group Management

The *Filter* section displays the following search criteria:

- *Subject of settlement* – dropdown menu for selection of the subject of settlement.
- *Transmission Operator* – legal entity licenced to transmit electricity on restricted area according to Law on Energy.
- *Valid from/to* – selected starting and ending date of the time period for data selection.

The item *Number of lines* to choose the number of entries displayed per page, ie choose one of offered options that determine how many rows to be displayed on one page form.

The View button starts the search according to the selected search criteria. The Balance Group Management form displays following fields according to the selected search criteria:

- *BS (EIC)* - balance group (EIC - 16 characters) of electricity market participants and its off-take points, where one subject of settlement has accepted responsibility for deviation.
- *SS* – name of the subject of settlement.
- *TO* – name of the transmission system operator.
- *Valid from* – starting date of the balance group.
- *Valid to* – ending date of the balance group.
- *Operations* – user selects actions (View – opens the View Balance Group form).

User sets the search criteria using the filter or advanced filter options in the Balance Group Management form. *Asterisk (\*)* can be used as search operator at the beginning or the end of the searched term. E.g. if the field Name contains M\*, all subjects beginning with M will be found. User sets the selection criteria in the fields Subject of settlement, Transmission system operator and *Date from/Date to*. A click on the View button opens the list of balance groups in the lower part of the Balance Group Management form. If the fields *Contract validity start* and *Contract validity end* were entered in incorrect format, the system will display following notification: *Incorrect field data*. A click on the New record button opens the Add balance group form, which is described in the chapter. A click on the View icon opens the View Balance Group form, which is described in the chapter [View Balance Group](#).

### 2.6.1.1 ViewBalance Group

The *View Balance Group* functionality allows viewing of a existing balance group in the system. This page is accessible only for authorised users.

#### Procedure

User clicks on the link *View Balance Group* in *Balance Group Management* under *Business Records* section in the main menu. The system displays the Balance Group Management form. A click on the View icon opens the View Balance Group form.

View Balance Group	
<b>List</b>	
<b>Balance group (EIC):</b>	24Y-SEPS-SL-EL-P
<b>Subject of Settlement:</b>	Slovenské elektrárne
<b>Transmission Operator:</b>	SEPS cezhranicne vymeny
<b>Valid from:</b>	1/1/2011
<b>Valid to:</b>	

Pict. View Balance Group

The form displays the following fields:

- *Balance group (EIC)\** - balance group (EIC - 16 characters) of electricity market participants and its off-take points, where one subject of settlement has accepted responsibility for deviation.
- *Subject of Settlement\** – dropdown menu for selection of the subject of settlement.
- *Transmission Operator\** – legal entity licenced to transmit electricity on restricted area according to Law on Energy.
- *Valid from\** – starting date of the balance group.
- *Valid to* – ending date of the balance group.

A click on the List button returns the user back to main form Balance Group Management.

## 2.7 Data reception

- [Daily diagrams](#)
  - [Add new daily diagram](#)
  - [View daily diagram](#)
  - [Edit daily diagram](#)

### 2.7.1 Daily diagrams

The *Daily diagrams* page provides alternative method of supplying daily diagrams for *Subjects of Settlement*. This can be done either by uploading the file manually or by filling out and submitting a web form. This page allows entering the date of the trading day. All remaining data is entered into web form for submitting daily diagrams or supplied in the XML file according to ENTSO-E standard.

### Procedure

User clicks on the link *Daily diagrams* under *Data Reception* section in the main menu. The system displays the Daily diagrams form.

**Daily diagrams**

**Filter**

Subject of Settlement:  
A.En.Slovensko, s.r.o.

Trading Day From: 4/13/2011

Trading Day To: 5/13/2011

**View**

Subject of Settlement: A.En.Slovensko, s.r.o.  
Trading Day From: 4/13/2011  
Trading Day To: 5/13/2011

Number of lines: 10

Export: [TXT](#) [XLS](#) [XML](#)

**New record**

Subject of Settlement	▼ Trading Day	Date Created	Operations
A.En.Slovensko, s.r.o.	5/13/2011	5/12/2011 2:25:03 PM	
A.En.Slovensko, s.r.o.	5/12/2011	5/12/2011 10:34:23 AM	
A.En.Slovensko, s.r.o.	4/30/2011	4/29/2011 6:38:08 PM	

Obr. Správa denných diagramov

The *Filter* section displays the following fields:

- *Subject of Settlement* – name of the Subject of Settlement.
- *Trading Day From/to* - date for start and end of the time frame.

The View button starts the search according to selected search criteria. The system shows records matching the search criteria. If there are no records matching the selected search criteria, the system displays following notification: Notice - "*No matching records found*".

The Daily diagrams form displays following fields according to the selected search criteria:

The item *Number of lines* to choose the number of entries displayed per page, ie choose one of offered options that determine how many rows to be displayed on one page form. Click the links Export TXT, XLS, XML. Export to export the list to TXT, XLS, XML document.

- *Subject of Settlement* – name of the Subject of Settlement.
- *Trading Day* – date of the trading day.
- *Date Created* - date of the created daily diagram.
- *Operations* – the user selects options View – opens the View daily diagram form.

A click on the New record button in the Daily diagrams form opens the Add new daily

diagram form. This form contains two tabs - Input form and Upload. The form is described in the chapter [Add new daily diagram](#). A click on the View icon opens the View daily diagram form, which is described in the chapter [View daily diagram](#).

### 2.7.1.1 Add newdaily diagram

The *Add new daily diagram* functionality is used to add new diagram to the system. The user has to be logged in and have corresponding rights assigned. The Deviation Biller registers daily diagrams no later than the calendar day preceding the trading day for which the diagrams are registered. The Subject of Settlement submits daily diagram for each trading day for its balancing group to the Deviation Biller. Daily diagrams contain internal supply and off-take of electricity in the restricted area and export of electricity from and import of electricity to the restricted area using the transmission system.

#### Procedure

User clicks on the link *Add new daily diagram* under *Daily diagrams* section in the main menu *Data reception*. The system displays the Daily diagrams form. A click on the button opens the Add new daily diagram form having Input form and Upload tabs.

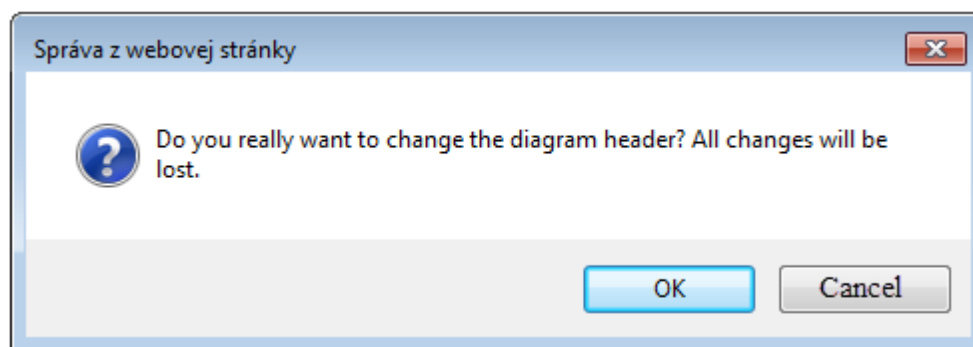
Pict. Add new daily diagram

The form shows basic input parameters:

- *Trading day\** - the displayed trading day.
- *Process type\** - the selected process type, either Day Ahead – the trading day is tomorrow or later or IntraDay – the trading day is today.

**Note.** Metacharacter (\*) – means mandatory field. The entry in the field is validated against entry rule specified in the system.

Based on the input parameters the system checks if there is already a diagram for the selected trading day. If this is the case, the diagram is opened for editing (options to Add new series, delete time series or import time series). If there is no diagram for the selected trading day, the system displays the following buttons (Import series, Add series). The user click on the button Proceed when done entering input parameters. The system checks, if there is already a diagram for the selected trading day and process type. A click on the Change diagram header form button prompts the following message:



Pict. "Do you really want to reset the from?"

A click on the OK button clears the form and the user can continue entering data with existing trading day and process type. A click on the Cancel button returns the user to the options to add time series or import time series using the buttons Add series and Import series.

**Add new daily diagram**

Save List

Input form Upload

Trading day: \* 5/12/2011 Process type: \* Intraday

Change diagram header

Import series Remove series Add series

<< < 5 : OKTE - A.En.Slovensko, s.r.o. > >>

Parameter	Value
In area *	SEPS
Out area *	SEPS
In party *	OKTE
Out party *	A.En.Slovensko, s.r.o.
Status	Without pairing

Status	Period	Amount (MW)
⇒	1 (12:00 AM - 12:15 AM)	563,0
⇒	2 (12:15 AM - 12:30 AM)	325,20











Pict. Add new daily diagram - Input form

A click on the Add series button on the Input form tab displays the following fields:

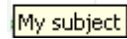
- Navigation buttons - - if a diagram consists of several time series, the buttons (<<, <, >, >>) are used to navigate to the requested time series. The system then displays the header and values for the corresponding time series with edit mode enabled.
- See the choice of purchaser and vendor billing entity for the selection of time series.
- Parameter – daily diagram contains following mandatory parameters:

- *In area\** - (APG, PSE, MAVIR, CEPS, OKTE, WPS).
- *Out area\** - (APG, PSE, MAVIR, CEPS, OKTE, WPS).
- *In party\** - name of the Subject of Settlement (the buyer).
- *Out party\** - name of the Subject of Settlement (the seller).
- *Status* - Without pairing.

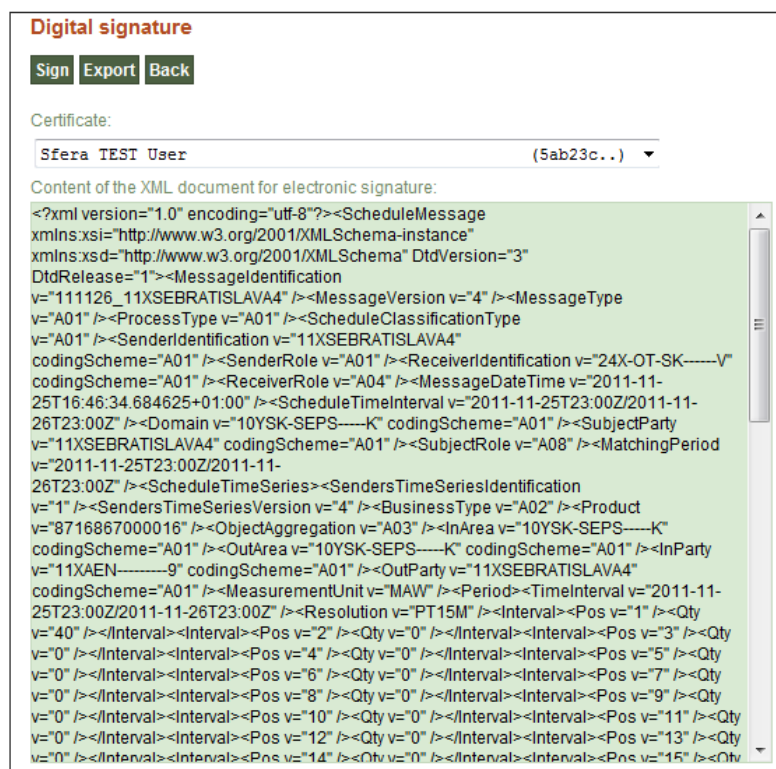
**Remark:** *Metacharacter* (\*) – means mandatory field. The entry in the field is validated against entry rule specified in the system.

- Status - item can have values:
  -  Paired - successfully paired charts / series
  -  Modified - diagrams, which are imposed on only some of the time series
  -  Modified (increased) - Amount of time series of the last adjustment was increased,
  -  Modified (reduced) - Amount of time series was the last adjustment reduced
  -  Unpaired - unsuccessfully paired charts / series (amount varies)
  -  Unpaired - external diagrams, for which no valid diagrams auctions (Party)
  -  Canceled - canceled chart / time line
  -  Imposed on - imposed on charts / series, which exist only on the external interface or the trading platform
  -  Continuous paired
  -  Without pairing - charts / series, which have not yet been paired
- *Period* – sequence of the billing period within corresponding trading day. Using hourly resolution it represents value 1-24 (1-23 or 1-25, respectively). Using quarterhourly resolution it represents value 1-96 (1-92 or 1-100, respectively).
- *Amount (MWh)* - amount of regulation electricity from the supplier for each billing period of the corresponding trading day in MWh.



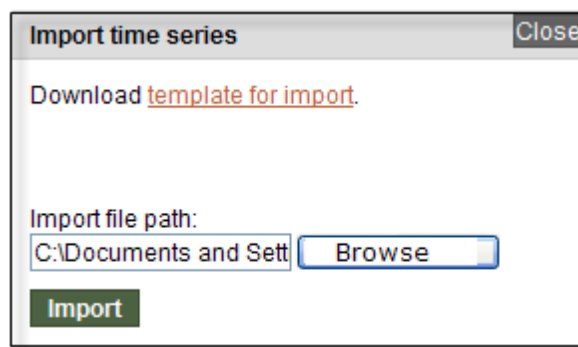
The *In party*, *Out party* entries have a button  , which will automatically fill in own Subject of Settlement. The new values are validated daily chart click Save. The system will display the form Digital signature of a XML file with an option to send digitally signed and sent by using the sign and send. System for XML document valid certificate signed and sent in the case of an invalid certificate, print the error messages.

After saving the system displays a form with an electronic signature to send the XML file and the possibility of signing an electronic signature and sent by using the Sign. Subsequently the system will display "*Data signed and ready for processing.*"



Pict. Digital signature

A click on the button opens the Import time series window, where the user selects the file to import. This window also contains the link to "[Download template for import](#)" (by clicking on the link).



Pict. Import time series

The user selects the file and confirms by clicking on the Import button. The system checks, if there is already a diagram for the selected trading day. If this is the case, the time series from the imported file will be appended to the existing diagram. If no diagram exists, a new one will be created using the values from the imported XLS file.

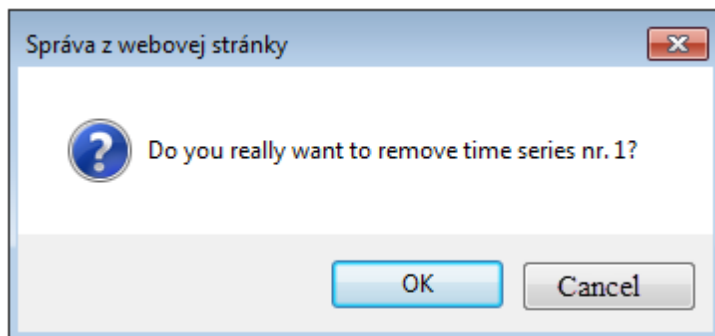
**Remark:** via the link "Download template for import – the user enters into XLS file header of the time series input parameters (In area, Out area, In party, Out party) using the EIC code, not the name of the Subject of Settlement.

A click on the Add series button selects the number of time series to add. Each time series has its own header (In area, Out area, In party, Out party) and cells for amount in MWh for the selected time period. The Buyer, Seller entries have a button, which will automatically fill in



own *Subject of Settlement*.

The user clicks on the Add series button in the Add new daily diagram form. The user fills in header data and values for new time series and confirms it by clicking on the Save button. The system displays the Digital signature form, see the picture above. A click on the Remove series button in the Add new daily diagram form prompts the following message:

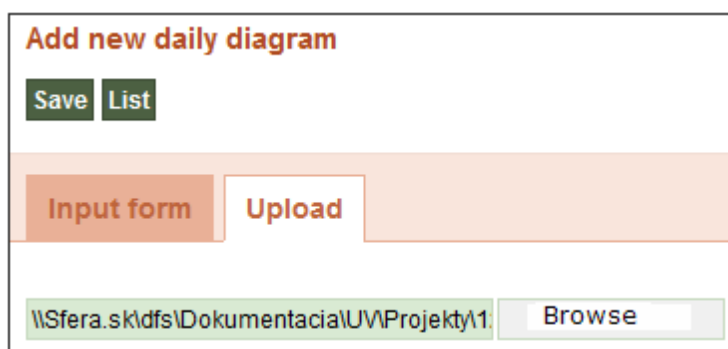


*Pict. Delete series*

A click on the OK button will remove the selected time series and click on the Cancel button cancels the operation. If the change is processed, diagram signed and sent the time series can be modified only (e.g. the amount from 10 is changed to 0). Each change is versioned.

**Remark:** If the daily diagram was already processed (saved), then remove means in this case that all values in the corresponding time series will be set to 0. If the diagram was not saved yet, it is possible to delete the time series completely.

A click on the List button in the Add new daily diagram form returns the user back to Daily diagrams form without saving any made changes. The Upload tab is used to upload files.



*Pict. Add new daily diagram - Upload*

The user either fills in the path to the xml file into corresponding field (see picture) or uses the Browse button to select the file. If needed, the user can add the XML file as attachment to the created daily diagram by clicking on the Add button. The system shows the attached file. The user clicks on the Save button. If the file is not an XML document, the system displays following notification "*Incorrect fields' values. File is not XML document*". A click on the List button in the Add new daily diagram form returns the user back to Daily diagrams form without saving any made changes.

### 2.7.1.2 View daily diagram

The View daily diagram functionality is used to view existing daily diagrams. The user has to be logged in and have corresponding rights assigned.

### Procedure

User clicks on the link *View daily diagram* under *Daily diagrams* section in the main menu *Data reception*. The system displays the Manage daily diagrams form. A click on the View icon opens the View daily diagram form.

**View daily diagram**

List

Subject party: A.En.Slovensko, s.r.o.  
Matching period date: 5/13/2011

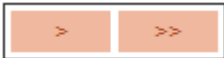





<< < 1 : A.En.Slovensko, s.r.o. - BICORN SK > >>






Parameter	Value
Business type	Internal
In area	SEPS
Out area	SEPS
In party	A.En.Slovensko, s.r.o.
Out party	BICORN SK
Process type	Day Ahead
Status	Unpaired
Total quantity (MWh)	59.200
Total matched quantity (MWh)	0.000

Status	Matching period	Quantity (MW)	Matched quantity (MW)
	1 (12:00 AM - 12:15 AM)	1.200	
	2 (12:15 AM - 12:30 AM)	1.600	

Pict. View daily diagram

The form displays following fields:

- *Subject party* – name of the Subject of Settlement.
- *Matching period date* – displayed trading day.
- *Navigation buttons*  - are used to view the buyer or seller, respectively. A click on the double arrow shows the first or last page with Subjects of Settlement.
- See the choice of purchaser and vendor billing entity for the selection of time series.
- *Parameter* – daily diagram contains parameters (Businee type, In area, Out area, In party, Out party, Process type, Status) for the corresponding trading day.
- *Status* - item can have values:
  -  Paired - successfully paired charts / series
  -  Modified - diagrams, which are imposed on only some of the time series
  -  Modified (increased) - Amount of time series of the last adjustment was increased,
  -  Modified (reduced) - Amount of time series was the last adjustment reduced
  -  Unpaired - unsuccessfully paired charts / series (amount varies)

-  Unpaired - external diagrams, for which no valid diagrams auctions (Party)
-  Canceled - canceled chart / time line
-  Imposed on - imposed on charts / series, which exist only on the external interface or the trading platform
-  Continuous paired
-  Without pairing - charts / series, which have not yet been paired
- *Matching period date* – sequence of the billing period within corresponding trading day. Using hourly resolution it represents value 1-24 (1-23 or 1-25, respectively). Using quarterhourly resolution it represents value 1-96 (1-92 or 1-100, respectively).
- *Quantity (MWh)* - amount of regulation electricity from the supplier for each billing period of the corresponding trading day in MWh.
- *Paired quantity (MWh)* - matched amount of regulation electricity from the supplier for each billing period of the corresponding trading day in MWh.

A click on the List button returns the user back to Daily diagrams form.

### 2.7.1.3 Edit daily diagram

The Edit daily diagram functionality is used to edit existing daily diagram. The user has to be logged in and have corresponding rights assigned. Daily diagrams can be edited only until daily diagrams closure. Only future (Day Ahead) or today's (Intraday) diagrams can be edited.

#### *Procedure*

User clicks on the link *Edit daily diagram* under Daily diagrams section in the main menu *Data reception*. The system displays the Daily diagrams form. A click on the Edit icon opens the Edit daily diagram form.

**Edit daily diagram**

Save List

Trading day: \*  
5/13/2011

Process type: \*  
Day Ahead

Import series Add series


<< < 1 : A.En.Slovensko, s.r.o. - BICORN SK > >>

Parameter	Value
In area *	SEPS
Out area *	SEPS
In party *	A.En.Slovensko, s.r.o.
Out party *	BICORN SK
Status	Without pairing




Status	Period	Amount (MW)
⇒	1 (12:00 AM - 12:15 AM)	1.2
⇒	2 (12:15 AM - 12:30 AM)	1.6








Pict. Edit daily diagram

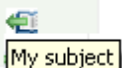
The form displays following fields:

- *Trading day\** - displayed trading day. This field is not editable.
- *Process type\** - (Day Ahead, Intraday). This field is not editable.
- *Navigation buttons* -  - if a diagram consists of several time series, the buttons (<<, <, >, >>) are used to navigate to the requested time series. The system then displays the header and values for the corresponding time series with edit mode enabled.
- See the choice of purchaser and vendor billing entity for the selection of time series.
- *Parameter* – daily diagram contains following mandatory parameters:
  - *In area\** - (APG, PSE, MAVIR, CEPS, OKTE, WPS).
  - *Out area\** - (APG, PSE, MAVIR, CEPS, OKTE, WPS).
  - *In party\** - name of the Subject of Settlement (the buyer).
  - *Out party\** – name of the Subject of Settlement (the seller).
  - *Status* - Without pairing.

**Remark:** *Metacharacter (\*)* – means mandatory field. The entry in the field is validated against entry rule specified in the system.

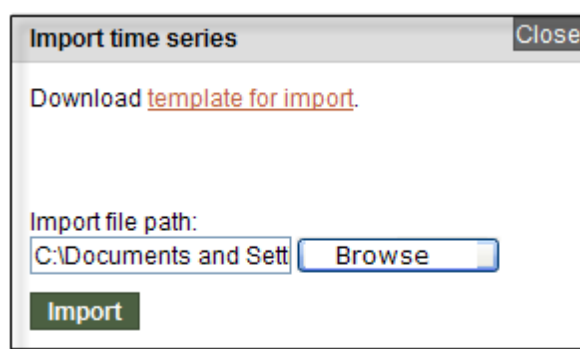
- *Status* - item can have values:
  -  Paired - successfully paired charts / series
  -  Modified - diagrams, which are imposed on only some of the time series
  -  Modified (increased) - Amount of time series of the last adjustment was increased,

-  Modified (reduced) - Amount of time series was the last adjustment reduced
-  Unpaired - unsuccessfully paired charts / series (amount varies)
-  Unpaired - external diagrams, for which no valid diagrams auctions (Party)
-  Canceled - canceled chart / time line
-  Imposed on - imposed on charts / series, which exist only on the external interface or the trading platform
-  Continuous paired
-  Without pairing - charts / series, which have not yet been paired
- *Period* – sequence of the billing period within corresponding trading day. Using hourly resolution it represents value 1-24 (1-23 or 1-25, respectively). Using quarterhourly resolution it represents value 1-96 (1-92 or 1-100, respectively).
- *Amount (MWh)* - amount of regulation electricity from the supplier for each billing period of the corresponding trading day in MWh.

The *In party*, *Out party* entries have a button  **My subject**, which will automatically fill in own Subject of Settlement. The new values are validated daily chart click Save. The system will display the form Digital signature of a XML file with an option to send digitally signed and sent by using the sign and send. System for XML document valid certificate signed and sent in the case of an invalid certificate, print the error messages. The Digital signature form is described in the chapter [Add new daily diagram](#).

**Remark:** Only diagrams which were not matched yet can be edited.

A click on the button opens the Import time series window prompting the user to enter path to the XLS file. This window also contains the link to "[Download template for import](#)" (by clicking on the link).



*Pict. Import time series*

The user selects the file and confirms by clicking on the Import button. The system checks, if there is already a diagram for the selected trading day. If this is the case, the time series from the imported file will be appended to the existing diagram. If no diagram exists, a new one will be created using the values from the imported XLS file.

**Remark:** via the link "Download template for import – the user enters into XLS file header of the time series input parameters (*Supply area*, *Consumption area*, *Buyer*, *Seller*) using the EIC code, not the name of the Subject of Settlement.

A click on the Add series button selects the number of time series to add. Each time series has its own header (*Supply area*, *Consumption area*, *Buyer*, *Seller*) and cells for amount in

MWh for the selected time period. The Buyer, Seller entries have a button, which will automatically fill in own *Subject of Settlement*.

he user clicks on the Add series button. The system adds new time series to the existing time series. The user fills in header data and values for new time series and confirms it by clicking on the Save button. The system saves the updated daily diagram. A click on the List button in the Edit daily diagram form returns the user back to Daily diagrams form without saving any made changes.

## 2.8 Complaints

- [Add complaint](#)
- [Administration of complaints](#)

### 2.8.1 Add complaint

Provides an option for Subjects of Settlement and suppliers of regulation electricity to place a complaint. This page is accessible only for authorised representatives of the Subject of Settlement or supplier of RE.

The objected data is submitted in quarterhourly resolution excluding the data belonging to the previous trading day. During the change to middleeuropean summer time the data is displayed in 92 or 23 billing periods, respectively. During the change to middleeuropean time the data is displayed in 100 or 25 billing periods, respectively.

Complaint can be submitted by:

- deviation billing operator (if a problem is found),
- subject of settlement indirectly by e-mail, phone, fax (complaint is submitted by deviation billing operator),
- subject of settlement directly using the portal.

Objected evaluation needs to be set first, as other options are populated according to it. Next values are Objected period, which can be then further specified within such period, and Complainant (list of complaining subjects). Objected evaluation field shows all evaluations, thus even those, which cannot be objected any longer.

#### *Procedure*

User clicks on the link *Add complaint* under *Complaints* section in the main menu. The system displays the Add complaint form. The Add complaint functionality is available in the main menu Administration of complaints. The system displays the Administration of complaints form, which is described in the chapter [Administration of complaints](#). A click on the button

**New Complaint**

opens the Add complaint form.

**Add complaint**

**Save List**

Complaint Subject: \*  
Slovenské elektrárne

Complained settlement: \*  
< select >

Objected period from: \*  
Objected period to: \*

Object: \*  
< select >

Type: \*  
< select >

Description:

**Contact**

First name: Last name:

E-mail: Phone:

Fax:

Attachment: Browse

Pict. Add complaint

Form displays following fields:

- *Complaint Subject\** - subject objecting the evaluation.
- *Complained settlement\** - evaluation, which can still be objected (list of objectable evaluations).
- *Objected period from/to\** - starting and ending trading day of the objected period. Maximum is one month.
- *Object\** - (Metering, Regulation electricity, Contract value, Overcosts, Payment, Deviation).
- *Type\** - complaint type (Private, Public).
- *Description* – description of the complaint.
- *Contact* – data concerning contact person (First name, Last name, E-mail, Phone, Fax).
- *Attachment* – using Browse button saves the existing complaint file, which contains following data:
  - *Objected values for 1 day* - diagram containing objected data (only objected values are mandatory). Diagram identifies corresponding quarter hour of the trading day.
  - *Date* – date of the objected day.
  - *Time* - time, for which deviatio evaluation or evaluation of RE is objected.
  - *Value* – objected value(s).
  - *Price* – objected price.

**Remark:** *Metacharacter* (\*) – means mandatory field. The entry in the field is validated against entry rule specified in the system.

User enters basic complaint data and saves them using the Save button. System checks mandatory fields and the values of input parameters against expected value type. The complaint is saved and following notification displayed in the Administration of complaints form: "*Complaint added*" "*Complaint ID 400 was created successfully.*" *This notification is available in the News section of Information menu*". If a field in the Add complaint form was entered in incorrect format, the system will display following notification: "*Incorrect data format*". If mandatory field in the Add complaint form was not entered, the system will display following notification: "*Mandatory field empty*". A click on the List button returns the user back to the Administration of complaints form. A click on the *More* link in the News form opens the current news list.

## 2.8.2 Administration of complaints

Displays the current status of submitted complaints of Subjects of Settlement or suppliers of regulation electricity, respectively. This page is accessible only for authorised representatives of the Subject of Settlement or supplier of RE. The page allows user to filter the list of displayed complaints using time frame, status or subject of the complaint.

### Procedure

User clicks on the link *Administration of complaints* under *Complaints* section in the main menu. The system displays the Administration of complaints form.

ID	Subject	Object	State	Ty	Operations
2642	EZPADA, o.z.	Contracted Value	Accepted	Pri	[Icons]
2640	A.En.Slovensko, s.r.o.	Metering	Accepted	Pri	[Icons]
2636	A.En.Slovensko, s.r.o.	Metering	Refused	Pri	[Icons]
2633	VSE	Metering	Refused	Pu	[Icons]
2631	Slovenské elektrárne	Over Costs	Entered	Pri	[Icons]
682	Vodohospodárska výstavba	Deviation	Entered	Pri	[Icons]
681	CARBOUNION SLOVAKIA, spol. s r.o.	Metering	Entered	Pri	[Icons]
365	ZSE Energia, a.s.	Metering	Entered	Pri	[Icons]
364	Komunal Energy a.s.	Deviation	Entered	Pri	[Icons]
363	Lumen Energy SR, a.s.	Metering	Entered	Pri	[Icons]

Pict. Administration of complaints

The *Filter* section displays following fields:

- *Object* - (Metering, Regulation electricity, Contract value, Overcosts, Payment, Deviation).
- *State* – complaint status (Placed, Open, Accepted, Rejected).



- *Type* - complaint type (Private, Public).

Extended filter

▼ **Extended filter**

Date Created From:

Date Created To:

Identifier:

Complaint Subject:

**Filter**

*Pict. Extended filter*

The Advanced Filter section displays following fields:

- *Date Created From/To* – time stamp of the complaint creation:
- *Identifier* – complaint identifier.
- *Complaint Subject* – subject placing the complaint.

The Filter button starts the search according to the selected search criteria.

The displayed complaint list in the Administration of complaints form contains following fields:

- *ID* – complaint identifier.
- *Subject* – subject placing the complaint.
- *Object* – complaint object.
- *State* – complaint status.
- *Type* - complaint type.
- *Complaint Settlement* – subject placing the complaint.
- *Date Created* – time stamp of the complaint creation.
- *Date Modified* - time stamp of the complaint modification.

User sets the search criteria using the filter or advanced filter options in the Administration of complaints form. Asterisk (\*) can be used as search operator at the beginning or the end of the searched term. E.g. if the field ID contains 1\*, all identifiers beginning with 1 will be found. A click on the Filter button starts the search. The system shows a list of complaints matching the search criteria. A click on the Export to TXT the system exports the file to the temp folder of the internet browser. A click on the Save button prompts for file name and location, where the file will be stored in the TXT format.

Using the *Operations* column the user can delete one or more complaints from the list by selecting those complaints and clicking on Delete action button. The system displays following dialog box: "*Do you really want to delete the selected complaints?*". A click on the OK button will delete selected complaints. Using the Export column the system exports the selected complaints to a TXT, XLS or XML document.

A click on the New complaint button opens the Add complaint form, which is described in the chapter [Add complaint](#). A click on the View icon opens the View complaint form, which is described in the chapter [View Complaint](#). A click on the Edit icon opens the Edit complaint

form, which is described in the chapter [Edit complaint](#). A click on the Delete icon prompts following notification "*Do you really want to delete this complaint?*", which is described in the chapter [Delete complaint](#).

### 2.8.2.1 ViewComplaint

The *View Complaint* functionality allows viewing and also editing of complaints existing in the system.

#### Procedure

User clicks on the link *View Complaint* under *Complaints* section in the main menu. The system displays the Administration of complaints form, which is described in the chapter [Administration of complaints](#). A click on the View icon opens the Complaint form.

Complaint form.

Complaint	
<a href="#">Edit</a> <a href="#">List</a>	
Complaint ID:	4066
Complaint Subject:	Danske commodities a.s.
Complained settlement:	Daily Settlement - 2009.11.09-09 (10.11.2009 15:10:07)
Objected period from:	11/9/2009
Objected period to:	11/9/2009
Object:	Contracted Value
State:	Accepted
Type:	Private
Description:	Toto je iba test
Contact:	
Date created:	11/24/2009 4:50:32 PM
Date modified:	6/1/2010 3:07:52 PM
Complaint reply:	+~

*Pict. Complaint*

Form displays following fields:

- *Complaint ID* – complaint identifier.
- *Complaint Subject* – subject placing the complaint.
- *Complained settlement* - evaluation, which can still be objected (list of objectable evaluations).
- *Objected period from/to* - starting and ending trading day of the objected period. Maximum is one month.
- *Object* - (Metering, Regulation electricity, Contract value, Overcosts, Payment, Deviation).
- *State* – complaint status (Placed, Open, Accepted, Rejected).
- *Type* - complaint type (Private, Public).
- *Description* – description of the complaint.
- *Contact* – data concerning contact person (Name, Surname, E-mail, Phone, Fax).
- *Date Created* – time stamp of the complaint creation.
- *Date Modified* - time stamp of the complaint modification.

- *Complaint reply* - complaint.

*Attachment* section displays following fields:

- *File name* – name of the attached file.
- *Size* – file size.
- *Operations* – a click on the View icon opens the *File upload* dialog box.

A click on the Edit button opens the Edit complaint form, which is described in the chapter [Edit complaint](#). A click on the List button returns the user back to the Administration of complaints form.

### 2.8.2.2 Edit complaint

The *Edit complaint* functionality allows modification of complaints already existing in the system. Modification in status Placed – only Complaint description can be modified and only by complainant. When a complaint is submitted, the system sends notifications containing complaint data to responsible persons. Thus Objected period, Type (Private or Public), Subject (Data Submission, Data Reception, Daily results or Monthly results) cannot be modified any longer. If the complainant made a mistake, the complaint can be deleted and new submitted.

Modification in status Open – only Answer field (containing answer to the complaint) can be modified. Complaint description cannot be modified any longer so that operators can be sure there will be no changes in the complaint. When resolved, operator later sets the status either as Accepted or Rejected. Modification in statuses Accepted and Rejected – complaint cannot be modified any longer, so that the complaint can be used as basis for potential disputes.

#### *Procedure*

User clicks on the link *Edit Complaint* under *Complaints* section in the main menu. The system displays the Administration of complaints form, which is described in the chapter [Administration of complaints](#). A click on the Edit icon opens the Edit complaint form.

**Edit complaint**

**Save** **List**

Complaint Subject: \*  
CARBOUNION SLOVAKIA, spol. s r.o.

Complained settlement: \*

Objected period from: \*  
6/1/2009

Objected period to: \*  
6/10/2009

Object: \*  
Metering

Type: \*  
Private

Description:  
Reklamácia nameraného množstva.

**Contact**

First name:  
Eva

Last name:  
Furínová

E-mail:  
ofs3@sfera.sk

Phone:  
02/43425804

Fax:

Attachment:  
Prehľadávat...

*Pict Edit complaint*

Form displays following fields:

- *Complaint Subject\** - subject objecting the evaluation.
- *Complained settlement\** - evaluation, which can still be objected (list of objectable

- evaluations).
- *Objected period from/to\** - starting and ending trading day of the objected period. Maximum is one month.
- *Object\** - (Metering, Regulation electricity, Contract value, Overcosts, Payment, Deviation).
- *Type\** - complaint type (Private, Public).
- *Description* – description of the complaint.
- *Contact* – data concerning contact person (First name, Last name, E-mail, Phone, Fax).
- *Attachment* – using Browse button saves the existing complaint file, which contains following data:
  - *Objected values for 1 day* - diagram containing objected data (only objected values are mandatory). Diagram identifies corresponding quarter hour of the trading day.
  - *Date* – date of the objected day.
  - *Time* - time, for which deviation evaluation or evaluation of RE is objected.
  - *Value* – objected value(s).
  - *Price* – objected price.

**Remark:** Metacharacter (\*) – means mandatory field. The entry in the field is validated against entry rule specified in the system.

User modifies complaint data in Edit complaint form and saves using the Save button. System checks mandatory fields and the values of input parameters against expected value type. The complaint is saved and following notification displayed in the Administration of complaints form: "Complaint added" "Complaint ID 400 was modified successfully." A click on the List button returns the user back to the Administration of complaints form. A click on the *More* link in the News form opens the current news list.

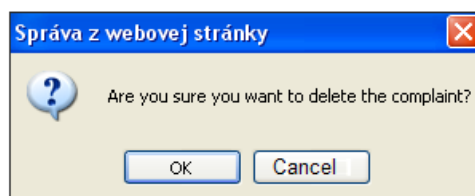
### 2.8.2.3 Delete complaint

The *Delete complaint* functionality allows removal of complaints from the system.

- Complaint in Placed status can be deleted by complainant and system administrator.
- Complaint in statuses Open, Accepted and Rejected cannot be deleted.

#### Procedure

User clicks on the link *Delete complaint* from the Complaint Management section in the main menu Complaints. The system displays the Administration of complaints, which is described in the chapter [Administration of complaints](#). A click on the *Delete* icon removes the complaint from the system. System displays following notification: "Do you really want to delete this complaint?"



Pict. Delete complaint

A click on the "OK" button removes the complaint from the system, which displays following notification "Complaint deleted" "Complaint successfully deleted". A click on the "Cancel" button cancels the deletion. Deletion notification is available in the *News* section in the main menu Information.

## 2.9 Statistics

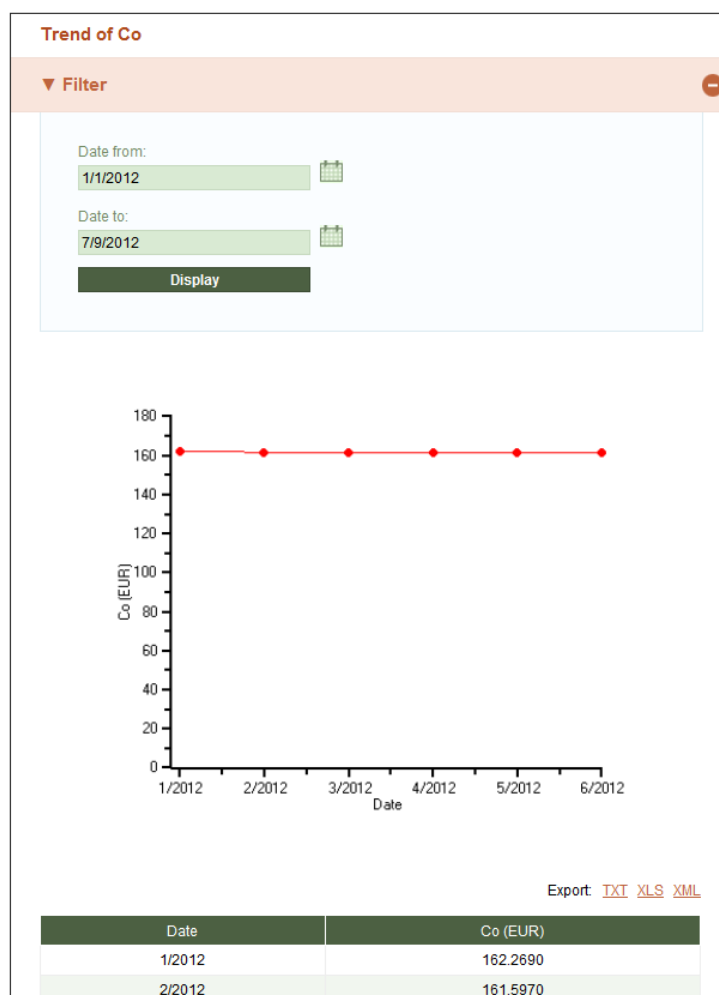
- [Trend of Co](#)
- [Trend of system deviation](#)

### 2.9.1 Trend of Co

The *Trend of Co* portal page allows viewing the trend of average price of vitreous deviation in a definable time period. This is a public page. The user can export the results to a TXT, XLS or XML file.

#### Procedure

User clicks on the link *Trend of Co* from the *Trend of Co* section in the main menu *Statistics*. The system displays the Trend of Co form.



Pict. Trend of Co

The upper part of the form contains entries for *Date from/to* where the user specifies the time period for the average price of vitreous deviation. A click on the Display button starts the search according to selected criteria. The system shows a chart for the selected month and year including the price of Co in EUR. A click on the Export to XLS, XML, TXT button will export the list to XLS, XML, TXT file.

- *Date* - day, month, year.
- *Co (EUR)* - value of the positive deviations in EUR.

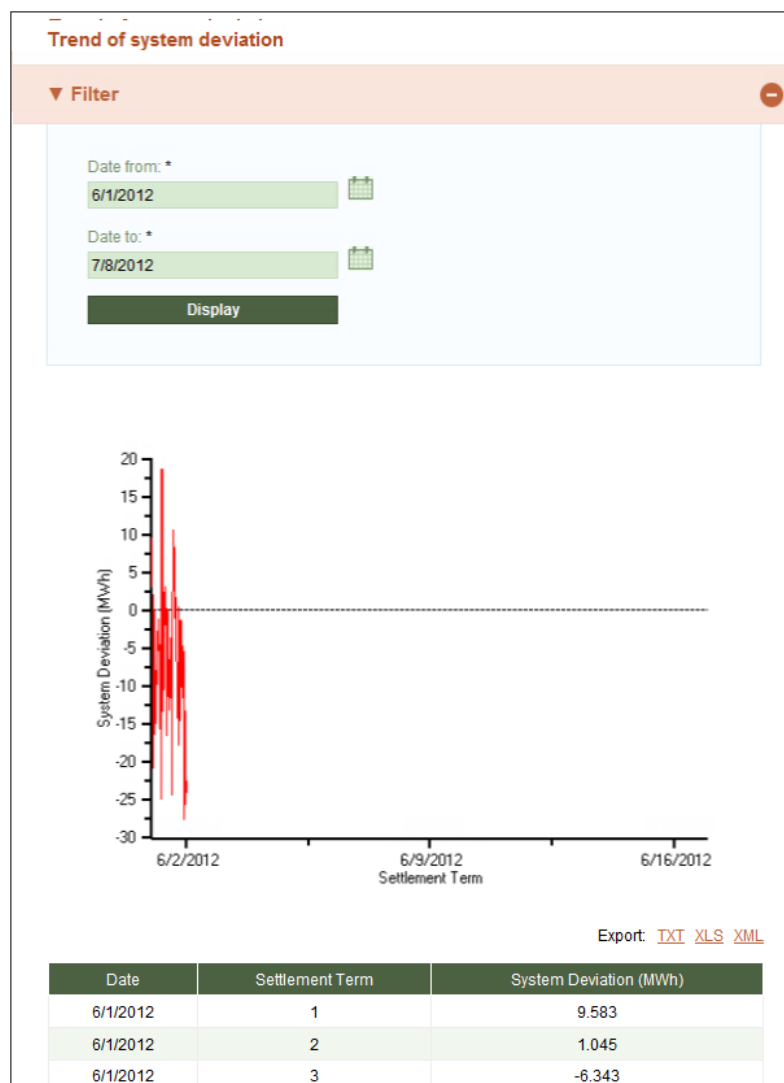
As the bar chart is shown on each connecting line only two points (ie two or more months). Specifically, after adjustment values are shown by periods. Rendering a graph with only one value (ie one month) is shown with a red dot. For better visibility, the value of "X" axis is dynamically move from 0.

## 2.9.2 Trend of system deviation

The *Trend of system deviation* portal page allows viewing the trend of system deviation in a definable time period. This is a public page.

### Procedure

User clicks on the link *Trend of system deviation* from the *Trend of system deviation* section in the main menu *Statistics*. The system displays the Trend of system deviation form.



Pict. Trend of system deviation

The upper part of the form contains entries for *Date from/to\** where the user specifies the

time period for the system deviation. A click on the Display button starts the search according to selected criteria. The system shows a chart for the selected day, month and year including the system deviation in MWh. A click on the Export to XLS, XML, TXT button will export the list to XLS, XML, TXT file.

- *Date* - day, month, year.
- *Settlement Term* – sequence of the billing period within corresponding trading day. Using hourly resolution it represents value 1-24 (1-23 or 1-25, respectively). Using quarterhourly resolution it represents value 1-96 (1-92 or 1-100, respectively).
- *System Deviation (MWh)* - system deviation volume in MWh.

## 2.10 User settings

*User settings* contain information about authenticated user.

Steps to complete to request creation/change of a user account:

- Download the form Request for creation/change of user account available on the web portal <http://www.iszo.sk> in *Rules and Agreements* section under *Information*.
- Fill in the form including stamp and sign of the contact person according to the Contract and send it by post (or fax) to the address of the Deviation Billing:  
*Slovenská elektriza ná prenosová sústava, a.s.*  
*Mlynské nivy 59/A*  
*824 84 Bratislava 26*  
*tel: +421 2 5069 2417*  
*fax: +421 2 5069 2360*
- Send the filled form including exported data file of the public certificate in the DER Encoded Binary X.509 format (\*.cer file) by an e-mail to the address [odchylky@okte.sk](mailto:odchylky@okte.sk).
- The Deviation Billing will verify the data in the request form and validity of the qualified certificate. If a discrepancy occurs, the Deviation Biller will not create or will block such account.
- The Deviation Billing will receive e-mail notification about creation/change of the user account. The notification is sent to the e-mail address specified in the request form.

The process of creation/change of a user account is free of charge and takes approx. 5 working days since the request was received. If the user wants to use a qualified certificate signed by a certification authority, which is currently not in the list of accepted certification authorities, he/she shall present such certificate in the request form and send the public certificate file. The Deviation Billing will scrutinize the option of accepting the certification authority. The authority will be added to the list if accepted. Otherwise, the request will be declined. User is bound to comply to the Rules when the account is created. The Deviation Biller is authorized to remove such account if the Rules are broken.

This chapter describes the following aspects of the *User settings*:

- [Profile](#)
- [Change password](#)

### 2.10.1 Profile

The *Profile* functionality displays information about authenticated user.

This functionality is available in the main menu *User Settings* in the *Profile section*.



The screenshot shows a form titled "Profile" in orange. It contains four input fields with labels: "Username:" (with the value "Pražienková Svetlana, Mgr."), "Subject name:", "Subject EIC:", and "Subject system identifier:". The form has a light gray border and a white background.

*Pict. Profile*

The Profile form contains following fields:

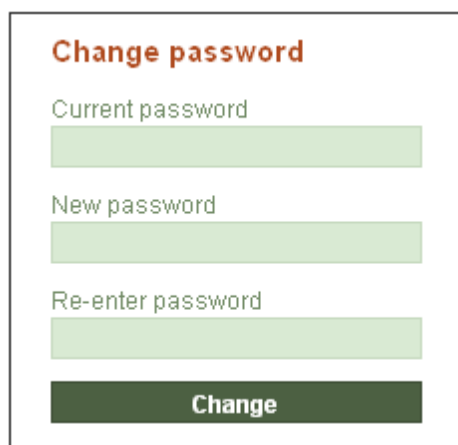
- *User name* – name of the authenticated user.
- *Subject name* – subject name.
- *Subject EIC* – subject identifier (EIC).
- *Subject system identifier* – subject system identifier.

## 2.10.2 Change password

The *Change password* functionality allows the user to change his/her password and is activated either by the user or by the system if password policies are not adhered to. This functionality is available to XMtrade/ISZO system administrator and market participant.

*Procedure:*

User clicks on the link *Change password* in the main menu *User settings - Change password* section. The system opens the Change password form, which allows entering new password and enforces password policies as configured in the system. The form displays data necessary for password change, validates the new password according to password policies and accepts or denies password change.

The screenshot shows a form titled "Change password" in orange. It contains three input fields with labels: "Current password", "New password", and "Re-enter password". Each field has a light green background. Below the fields is a dark green button labeled "Change". The form has a light gray border and a white background.

*Pict. Change password*

The Change password form contains following fields:

- *Current password\** - enter current password.
- *New password\** - enter new password.
- *Re-enter password\** - enter new password for verification.
- *Meta-character (\*)* - means this is a mandatory field. The value in this field is validated

by a formula.

The Change button saves the new password.

The user is asked to authenticate using the account name and password and, according to system configuration, also using the token with public certificate. The user selects user account and enters the password. The user selects from the certificate list the certificate assigned to his/her account. If there is only one certificate, it is automatically selected. If there is no certificate installed on the system and the user keeps his/her certificate on the token, the token (USB token, smart card) must be connected to the computer and list of certificates needs to be refreshed in a minute or so. The list can be refreshed by clicking on the button next to the certificate list. When the certificate is loaded, proceed with the 5<sup>th</sup> step. The user confirms new password or token activation. System verifies user identity, validates password policies.

System reports authentication success/failure, necessary password change and also reason for this change. System starts the system login.

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